MUNICIPAL

WATER AND WASTEWATER

TREATMENT WORKS

IN ONTARIO

Ontario Ministry of the Environment

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Minister

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Ontario

Municipal

Water and Wastewater Treatment Works in Ontario

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FORWARD

MUNICIPAL WASTEWATER TREATMENT SYSTEMS

As of March, 1984, there were 381 municipal wastewater treatment facilities in Ontario having a combined total capacity of 5.768 thousands of cubic metres per day ($1000m^3$) or 1,269 million Imperial gallons per day (mlgd). The total population served by these facilities is 7.1 million.

MUNICIPAL WATER SUPPLY SYSTEMS

As of March, 1984, there were 472 municipal water supply systems in Ontario having a combined total capacity of 9,423 thousands of cubic metres per day ($1000m^3$) or 2,072 million Imperial gallons per day (mlgd). Surface water supplies number 195 and account for approximately 86% of the total capacity while ground water supplies number 277 and account for the remaining 14%. The total population served by both ground and surface water sources is 7.5 million.

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INTRODUCTION

The Ministry of the Environment is concerned with the protection and enchancement of the natural environment. For example, the release of untreated or partially treated sanitary wastes to a lake or river may render the watercourse, particularly in the immediate discharge area, unusable for practically all purposes. This condition creates a threat to public health and is disruptive to plant and animal life cycles; therefore, the adequate treatment of wastes to produce a satisfactory effluent for discharge to a watercourse is a major concern of this Ministry.

When a body of water is needed for the assimilation and dilution of treated wastes then consideration must be given to all of the other uses of water, such as public, agricultural and industrial water supply, recreation, aesthetic enjoyment and the propagation of fish and wildlife. It is evident that Ontario's water resources must meet many needs and in order to assist with the administration of these needs, the Ministry of the Environment has produced a publication entitled "Water Management" which outlines "goals, policies, objectives and implementation procedures of the Ministry of the Environment", necessary to ensure the sound management of water and wastewater across the province. Copies may be obtained from the Water Resources Branch, 1 St. Clair Avenue West, (Telephone: 965-6954). In addition, criteria for drinking water is outlined in a publication entitled, "Ontario Drinking Water Objectives", which is available from this Ministry's Information Services Branch at 135 St. Clair Avenue West, (Telephone: 965-7117). Both of the above mentioned publications may be obtained from the Publications Centre, Ministry of Government Services, 880 Bay Street, 5th Floor, Toronto.

With regard to the meeting of these goals and objectives, the Ministry inspects and regulates all communal water and wastewater facilities, and monitors the performance of the treatment plants and their effluent qualities with routine and special sampling programs. The administration of these services and programs is carried out on a regional basis. To complement the sampling programs and the various water quality management programs, the Water and Wastewater Management Section of the Water Resources Branch, in co-operation with our Regional offices, has produced this publication from its EDP system to provide a comprehensive listing of all major municipal wastewater and water treatment facilities operating in Ontario.

This publication has two major parts. PART I lists the wastewater treatment facilities and PART II lists the water treatment facilities. Each part begins with a brief description of the various treatment methods, followed by a provincial summary of the existing treatment types and their hydraulic capacities. A complete listing of the works is then provided.

Since the delivery of programs and services by this Ministry is carried out on a regional basis, it is therefore, logical to group these treatment works under the Ministry's six regions. Accordingly, each one of our regions is first defined by means of a map page and then all treatment works for that particular region are listed alphabetically by municipality. An additional list of the plants which are located in each of the larger or regional municipalities has been prepared on blue paper.

Very large systems, which serve more than one municipality, are shown at the end of each region's data on pink paper and the definition of these, 'area systems' is described below.

Area-Systems - "Area Wastewater Treatment Systems" and "Area Water Supply Systems"

When a municipality experiences sustained growth, eventually the serviced area of its treatment facility extends beyond its municipal boundaries. Once this condition occurs to the point where it becomes necessary to size the treatment works and major service mains to accomodate a much larger area, the system is, for the purposes of this publication, defined as an "Area Wastewater Treatment System", or an "Area Water Supply System".

MUNICIPAL WASTEWATER

PART I

PART 1 - WASTEWATER TREATMENT

There are many types of wastewater treatment processes for sanitary wastes but the major treatment methods are variations of the principles which nature uses to purify a river or other body of water. Basically, the essential processes such as sedimentation and the biological breakdown of wastes are speeded up in the treatment plant, with the end result being a quality effluent which places a minimum amount of strain on the environment. A chemical precipitation process, specifically to control the phosphorus content of the effluent, has been applied to the majority of wastewater facilities in Ontario. This is seen to be a key factor in controlling nuisance algae in watercourses.

At present, three basic treatment methods are employed in Ontario and these may be categorized as "primary", "secondary" and "lagoon" treatment. In the primary stage, solids are allowed to settle and are removed as sludge from the wastewater. The secondary stage uses biological processes to purify the wastewater even further. Lagoons or waste stabilization ponds use both the physical (settling of solids) and biological treatment processes to remove impurities from the wastewater. Tertiary processes which further remove impurities are now being installed at specified locations to meet more stringent receiving water quality requirements.

It is important to note that over 90% of the municipal wastewaters in Ontario receive secondary treatment or better.

The efficiency of all treatment whether primary, secondary, lagoons or tertiary are generally rated in terms of the percentage removal of Biochemical Oxygen Demand (BOD) and the percentage removal of Suspended Solids (SS). BOD is simply the amount of oxygen uptake by bacteria to decompose the wastes and 'SS' are the organic and inorganic substances suspended in the wastewater.

1. PRIMARY TREATMENT

Wastes entering a plant for treatment are passed through a screen to remove items such as rags, sticks, etc. which may clog pumps or pipes. After screening, the wastes are directed into a grit chamber where sand and small stones are allowed to settle. With the grit removed, the mechanics of settling are further employed to remove the inorganic suspended solids in a primary sedimentation tank or clarifier. The material (sludge) which is removed by the primary clarifier is transferred to a digester or other treatment facility where it is suitably stabilized prior to final disposal. Primary treatment generally removes 40 to 60 percent of the suspended solids and in so doing it achieves 30 to 40 percent reduction of BOD. To complete primary treatment, the effluent from the clarifier is usually chlorinated before being discharged to a receiving stream, river or lake. Chlorination reduces the number of disease causing bacteria. The effluent produced from primary treatment is of a lower standard of quality than is achieved by secondary treatment; consequently, this form of treatment is used only when it will meet the water quality requirements of the receiving body of water.

2. SECONDARY TREATMENT

Secondary treatment, commonly referred to as biological treatment removes up to 95% of the BOD through the action of bacteria. The term biological refers to the micro-organisms present in the wastewater. These micro-organisms are utilized to break down the organic matter, are settled out in the secondary clarifier, and removed as sludge to the digester or other treatment prior to final disposal. The treated wastewater is now a clear liquid effluent, which is usually chlorinated before discharge to the receiving stream, river or lake.

There are various forms of secondary treatment but the 'activated sludge process' is by far the most popular method used today.

2.1 ACTIVATED SLUDGE PROCESS

The activated sludge process reduces the organic content of the wastes in as short a time as possible by effectively maintaining biological action on the incoming wastes. This is done by introducing a highly developed bacterial community, 'activated sludge', to the new wastes as soon as possible, usually at the beginning of the aeration sections. The efficiency of this process is ensured by providing a suitable environment for the micro-organisms, which means, supplying optimum amounts of food in the form of wastes, oxygen through aeration and a temperature high enough to maintain the desired growth of the microbes.

The following treatment types, are modifications of the activated sludge process.

a) Conventional Activated Sludge Process

In this process, the effluent from the primary treatment stage is conveyed to an aeration section where it is thoroughly mixed by the introduction of air for approximately 6 to 8 hours. The air provides sufficient oxygen and contact through agitation with the new wastes to ensure that an efficient decomposition of wastes occurs. An optimum balance between the incoming food (primary effluent) and the population of the mixed biological community is maintained by adding a portion of the activated sludge to the beginning of the aeration section. Excess activated sludge together with some liquids are directed to the digesters where they receive further treatment. A clear high quality effluent is produced and the removal of BOD and suspended solids ranges from 90 to 95 percent.

b) High Rate

The high rate system was developed by overloading the conventionally designed activated sludge plants. The organic load to the aeration sections is the highest of any of the activated sludge processes. The aeration time is also shorter (1 to 3 hours). Excess activated sludge is directed to a digester for stabilization before final disposal. The high rate process allows for a higher volume of waste to be handled in a shorter period of time, which makes for a more economical operation. A primary treatment section may or may not be present, and this method is generally used where industrial wastes are encountered.

The high rate type of treatment is reported to have a removal rate of BOD and suspended solids in the 80 to 85 percent range.

c) Extended Aeration

The incoming wastes are immediately placed in an aeration section without primary settling and a longer aeration time is employed usually 18 to 24 hours. Due to the long aeration period a more complete decomposition or oxidation of the wastes occurs.

As with the conventional secondary, a high level of biological activity is maintained throughout the aeration tank by returning some of the activated sludge to the raw sewage influent. Excess activated sludge are placed in a holding tank or a digester prior to final disposal. The reduction in BOD is usually in excess of 90%.

d) Contact Stabilization

This process provides a means of varying the contact time between the incoming wastes and the activated sludge. The raw sewage is directed to a small chamber called a contact tank in which aeration is provided for 1 to 2 hours. After this short aeration period the wastes undergo settling and the resulting sludge is re-aerated for a further 2 to 6 hours. The total aeration time of the sludge ranges from 3 to 8 hours which allows for the production of the activated sludge required in the contact aeration tank. Excess activated sludge are placed in a holding tank or a digester prior to final disposal.

The removal of suspended solids and BOD is similar to the conventional secondary method.

e) Oxidation Ditch

An oxidation ditch is a retention channel constructed in the shape of an oval race track and equipped with a aerating device which circulates the wastewater around the channel and provides oxygen for the micro-organisms utilized by this activated sludge process. Treated wastewater is drawn off into a settling tank as new wastes are added. Activated sludge from the settling basin is recirculated into the oxidation ditch while the waste sludge is removed for final disposal. The effluent from the settling tank is clear and of good quality with BOD and suspended solids removal ranging from 85 to 90 percent. This process is similar to extended aeration and is usually used in smaller communities.

2.2 TRICKLING FILTER

The trickling filter is a bed of stones from 3 to 6 feet deep to which primary treated sewage is distributed uniformly across the surface. Bacteria which adhere to and multiply on the surfaces of these stones consume most of the organic matter. Treated water trickles out through a network of pipes in the bottom of the filter where it is collected and directed to a final clarifier before discharge to the receiving stream. BOD and suspended solids removal by this process has been reported from 75 to 90 percent. Trickling filters have generally been employed in the more temperate climates.

2.3 LAGOON, AERATED CELL, AERATED LAGOON

A lagoon is a flat bottomed structure composed of earth dikes and sized to retain the wastewater for a designated period of time. The lagoon utilizes many complex systems which work together in a cyclical manner. For example, the bacteria converts the organic matter into available plant food and promotes the growth of algae. The algae, with the aid of sunlight, produces oxygen which is required to maintain good bacterial activity on the incoming wastes. The bacteria also give off carbon dioxide which is needed to sustain the algae's life cycle. During the retention period these natural processes work together to decompose and effectively stabilize the wastes. The efficiency of these processes are dependent on several factors such as liquid depth, temperature, algae growth, waste characteristics, etc. When conditions are at an optimum, a good quality effluent can be expected.

Some lagoons, or waste stabilization ponds may be aerated, by either mechanical stirring or bubbling air into one small cell (aerated cell) or throughout the entire lagoon (aerated lagoon). Aeration reduces the retention period, increases the capacity of the existing lagoon and is useful in treating some industrial wastes. Eighty to eighty-five percent removal of BOD and suspended solids may be expected.

3. TERTIARY TREATMENT

Tertiary treatment processes are applied to secondary effluent to further upgrade the effluent quality for specific receiving water needs.

In Ontario, the main tertiary processes used on a municipal scale are polishing lagoons and effluent filtration. These are designated as "effluent polishing" in this publication.

a) Polishing Lagoons

Polishing lagoons offer an opportunity for increased BOD and suspended solids removal at a minimum of cost but require a relatively large land area. Secondary effluent is passed into a lagoon where it is retained for several days while the algae-bacterial symbiotic relationship is encouraged to optimize oxidation of the organic waste. A fairly consistent removal of BOD is maintained throughout the year. There is a marked increase in effluent SS during the summer months when algae activity is at its peak and this constitutes a major disadvantage of the polishing lagoon. BOD removals in the order of 40% to 60% from a secondary effluent may be achieved.

b) Effluent Filtration

Filtration of secondary effluent is the most widely applied tertiary process in Ontario. A well designed and operated tertiary filter can achieve a good reduction of suspended solids and is effective in reducing BOD and total phosphorus.

4. PHOSPHORUS REMOVAL

Treatment of phosphorus basically consists of the addition of a chemical which, through precipitation, reduces the phosphorus concentration in the effluent. Phosphorus must be reduced to one part per million (1 ppm) or milligram per litre (mg/l) in all designated plants in the Lower Great Lakes drainage basin. Designated plants in the Upper Great Lakes and Ottawa River drainage basins must reduce influent phosphorus by 80 percent or to 1 mg/l. Phosphorus removal facilities can be incorporated into any existing treatment works and the chemicals generally used are lime, aluminum salts or iron salts. New chemicals to be used in any plant must first undergo treatability studies to determine if the desired reduction of phosphorus is achieved with no upset in plant operation and to ensure that the quality of effluent has not suffered any deterioration.

Important side benefits of increased removal of organic material and suspended solids occur when phosphorus treatment is employed in primary plants and lagoons with seasonal discharge. Secondary plants and continuous discharge lagoons do not enjoy these benefits; however, secondary plants report better settling in the final clarifier.

PROVINCIAL SUMMARY

TREATMENT TYPE	NUMBER			** CAPACITY MIGD ($1000M^3$)		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
PRIMARY	9	24	33	31.830	201.021	232.851 (1,058.541)
CONVENTIONAL ACTIVATED SLUDGE	31	57	88	193.124	689.814	882.938 (4,013.837)
MODIFIED SECONDARY	1	0	1	2.700	.000	2.700 (12.274)
CONTACT STABILIZATION	6	5	11	5.030	8.560	13.590 (61.780)
EXTENDED AERATION	57	28	85	23.314	51.607	74.921 340.591)
TRICKLING FILTER	0	3	3	.000	8.100	8.100 (36.823)
HIGH RATE	4	1	5	6.110	2.000	8.110 (36.868)
OXIDATION DITCH	9	2	11	2.430	1.770	4.200 (19.093)
CONVENTIONAL LAGOON CONTINUOUS	7	7	14	1.813	5.822	7.635 (34.711)
CONVENTIONAL LAGOON SEASONAL	85	21	106	16.960	5.939	22.899 (104.098)
LAGOON WITH SPRAY	3	0	3	.309	.000	.309 (1.407)
AERATED CELL PLUS LAGOON	10	8	18	7.727	1.631	9.358 (42.541)
EXFILTRATION LAGOON	3	2	5	.840	.440	1.280 (5.819)
*** TOTALS***	225	156	381	292.187 (1,328.283)	976.704 (4,440.096)	1,268 819 (5,768.377)

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY
$1000M^3$:THOUSANDS OF CUBIC METRES

CONVERSION FACTOR
1 MGD = 4.546 $1000M^3$

Ministry of the Environment
Ontario

Southwestern Region

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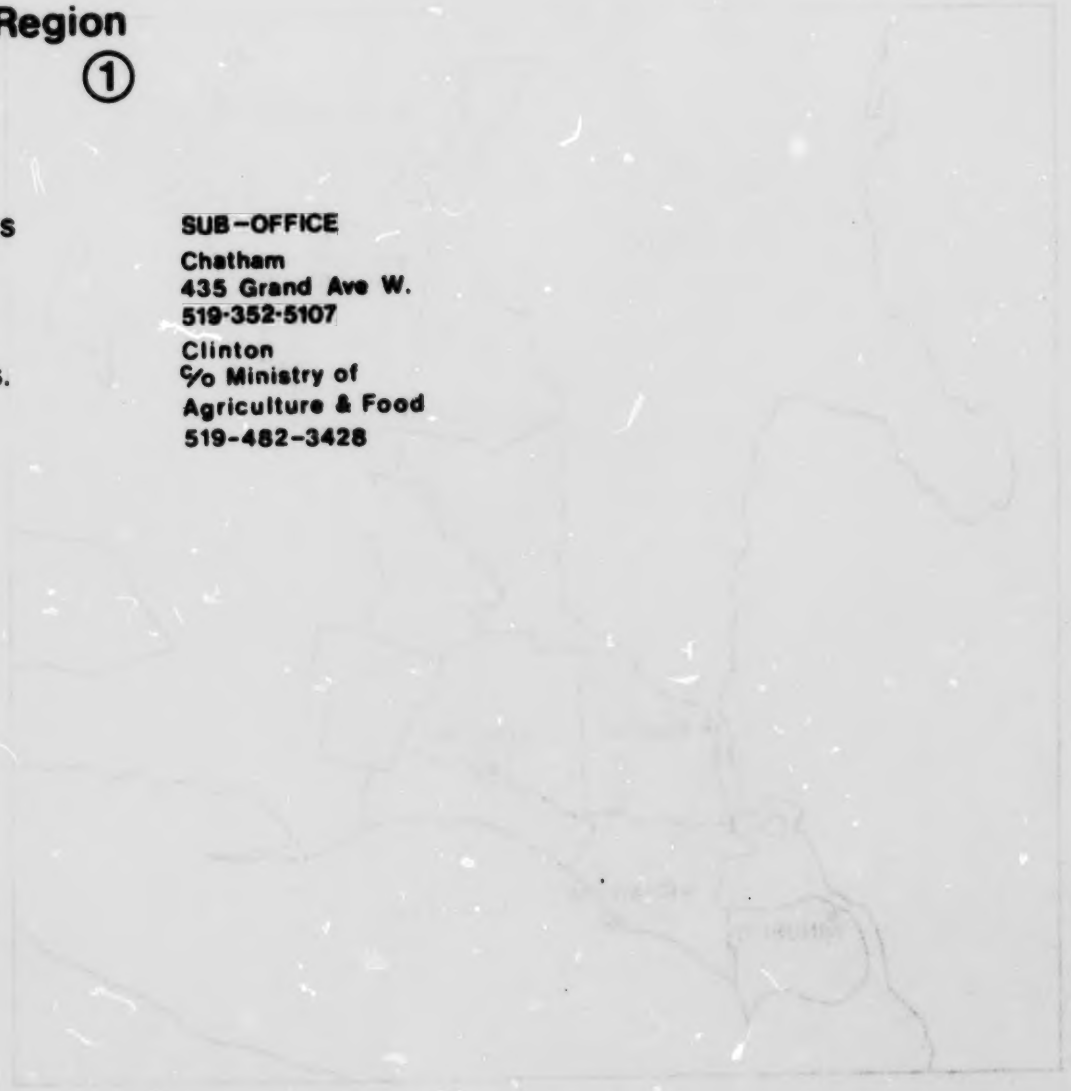
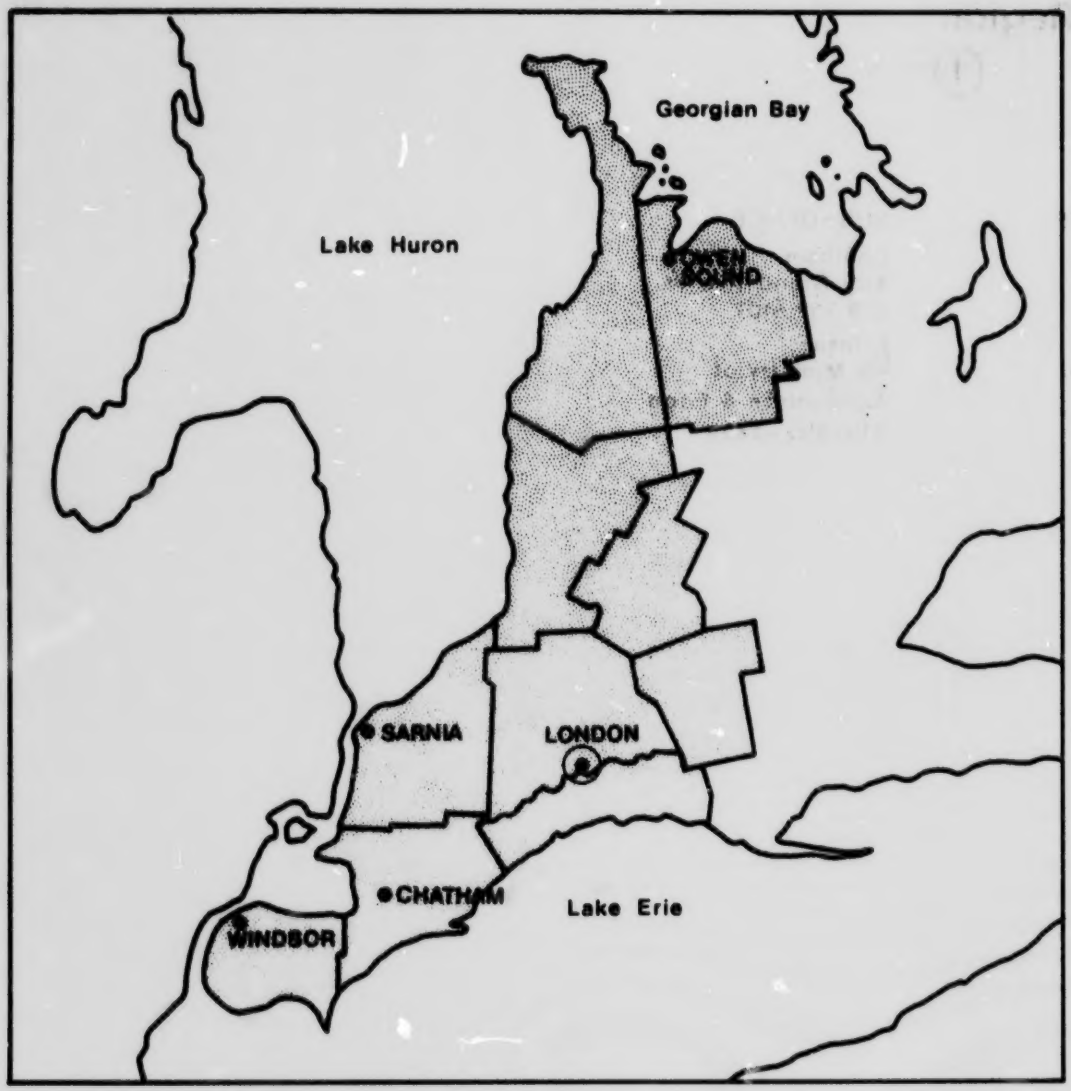


Southwestern Region

Ministry of the Environment
Ontario



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SOUTHWESTERN REGION SUMMARY

TREATMENT TYPE	<--- NUMBER --->			<--- ** CAPACITY MIGD ($1000M^3$) --->		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
PRIMARY	2	3	5	8.970	39.500	48.470 (208.707)
CONVENTIONAL ACTIVATED SLUDGE	8	12	20	13.059	73.960	87.019 (395.588)
CONTACT STABILIZATION	0	1	1	.000	.400	.400 (1.818)
EXTENDED AERATION	15	2	17	6.373	4.258	10.631 (48.329)
HIGH RATE	1	0	1	.860	.000	.860 (3.910)
OXIDATION DITCH	2	1	3	.825	1.420	2.245 (10.208)
CONVENTIONAL LAGOON CONTINUOUS	3	1	4	.922	1.140	2.062 (8.272)
CONVENTIONAL LAGOON SEASONAL	41	3	44	9.524	.832	10.356 (47.078)
AERATED CELL PLUS LAGOON	4	1	5	2.893	.084	2.977 (13.533)
LAGOON WITH SPRAY	1	0	1	.100	.000	.100 (.455)
**** TOTALS ****	77	24	101	40.526 (184.231)	121.594 (552.766)	162.120 (736.997)

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY
$1000M^3$:THOUSANDS OF CUBIC METRES

CONVERSION FACTOR
1 MGD = 4.546 $1000M^3$

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
ALVINSTON VILLAGE ALVINSTON WPCP 110002089	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	SYDENHAM RIVER	.132 (.600)	489	MINISTRY
AMHERSTBURG TOWN AMHERSTBURG WPCP 120001037	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	DETROIT RIVER	1.000 (4.546)	8500	MUNICIPALITY
ANDERDON TOWNSHIP EDGEWATER BEACH LAGOON 110002407	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	DETROIT RIVER	.355 (1.614)	425	MINISTRY
ANDERDON TOWNSHIP MCGREGOR LAGOON 110002096	LAGOON AND SPRAY	NO DISC.TO SURFACE WATER	.100 (.455)	1100	MINISTRY
ARRAN TOWNSHIP TARA LAGOON 110003237	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	SAUBLE RIVER	.143 (.650)	556	MINISTRY
AYLMER TOWN AYLMER LAGOON 110000891	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	CATFISH CREEK	.801 (3.641)	5127	MINISTRY
BELLE RIVER TOWN BELLE RIVER COLLECTION SYSTEM 110003219	COLLECTION SYSTEM ONLY TREATMENT AT SHARED FACILITY	(BELLE R-MAIDSTONE WPCP)	.500 (2.273)	3450	MINISTRY
BELMONT VILLAGE BELMONT LAGOON 110002032	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	KETTLE CREEK	.120 (.546)	906	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3/d (1000M))	POPULATION SERVED	OPERATED BY
BLANDFORD-BLENHEIM TOWNSHIP PLATTSVILLE LAGOON 110003022	AERATED CELL PLUS LAGOON SEASONAL DISCHARGE PHOSPHORUS REMOVAL - BATCH	NITH RIVER	.131 (.596)	510	MINISTRY
BLENHEIM TOWN BLENHEIM LAGOON 120001666	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	CAMERON DR - MCGREGOR CK	.429 (1.950)	4080	MINISTRY
BLYTH VILLAGE BLYTH WPCP 110002247	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	BLYTH CREEK	.161 (.732)	790	MINISTRY
BRUSSELS VILLAGE BRUSSELS WPCP 110002354	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	MAITLAND RIVER	.194 (.882)	961	MINISTRY
CHATHAM CITY CHATHAM WPCP 110000098	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	THAMES RIVER	7.900 (35.913)	38500	MUNICIPALITY
CHESLEY TOWN CHESLEY LAGOON 110000105	CONVENTIONAL LAGOON CONTINUOUS PHOSPHORUS REMOVAL-CONTINUOUS	NORTH SAUGEEN RIVER	.321 (1.461)	1876	MINISTRY
CLINTON TOWN CLINTON WPCP 120000825	CONTACT STABILIZATION PHOSPHORUS REMOVAL-CONTINUOUS	BAYFIELD RIVER	.400 (1.818)	3000	MUNICIPALITY
DOVER TOWNSHIP MITCHELL'S BAY LAGOON 110002087	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	LAKE ST. CLAIR	.112 (.508)	350	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3) (1000M)	POPULATION SERVED	OPERATED BY
DRESDEN TOWN DRESDEN WPCP 110002014	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	SYDENHAM RIVER	1.000 (4.546)	2278	MINISTRY
DUNDALK VILLAGE DUNDALK LAGOON 110001471	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	FOLEY DRAIN TO GRAND R.	.119 (.541)	1190	MINISTRY
DURHAM TOWN DURHAM MUN WPCP 110000988	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	SAUGEEN RIVER	.480 (2.182)	2430	MINISTRY
DUTTON VILLAGE DUTTON LAGOON 110001286	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	BENNETT CK. TO L. ERIE	.074 (.336)	902	MINISTRY
E.WILLIAMS TOWNSHIP AILSA CRAIG WPCP 110002060	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	AUSABLE RIVER	.132 (.600)	786	MINISTRY
EAST ZORRA-TAVISTOCK TOWNSHIP TAVISTOCK LAGOON 110000720	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	TRIBUTARY TO THAMES R.	.241 (1.096)	1778	MINISTRY
ENNISKILLEN TOWNSHIP OIL CITY LAGOON 110001738	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	BLACK CREEK	.040 (.182)	200	MINISTRY
ESSEX (N.E.) TOWN ESSEX LAGOON N.E. 110000203	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	PUCE RIVER DRAIN	.238 (1.082)	2300	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
ESSEX (S.W.) TOWN ESSEX LAGOON S.W. 110000837	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	CANARD RIVER	.357 (1.623)	3800	MINISTRY
EXETER TOWN EXETER LAGOON 110000221	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	AUSABLE RIVER	.491 (2.232)	3686	MINISTRY
FOREST TOWN FOREST LAGOON 110001346	CONVENTIONAL LAGOON SEASONAL	HICKORY CREEK	.297 (1.350)	2590	MINISTRY
GLENCOE VILLAGE GLENCOE LAGOON 110001845	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	NEWBIGGEN CREEK	.208 (.946)	1690	MINISTRY
GODERICH TOWN GODERICH WPCP 120000943	CONVENTIONAL ACTIVATED SLUDGE	LAKE HURON	1.000 (4.548)	7400	MUNICIPALITY
GOSFIELD N. TOWNSHIP COTTAM LAGOON 110002006	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	MADDOX DRAIN TO BELLE R.	.149 (.677)	700	MINISTRY
HANOVER TOWN HANOVER WPCP 120001481	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	SAUGEEN RIVER	1.400 (6.364)	6191	MUNICIPALITY
HARROW TOWN HARROW LAGOON 110002103	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	CEDAR CREEK	.335 (1.523)	2281	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3) (1000M)	POPULATION SERVED	OPERATED BY
HENSALL VILLAGE HENSALL LAGOON 110000828	CONVENTIONAL LAGOON SEASONAL	BLACK CK TO AUSABLE R.	.137 (.623)	1000	MINISTRY
INGERSOLL (NEW) TOWN INGERSOLL NEW WPCP 110003969	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	THAMES RIVER	1.500 (6.819)	5000	MINISTRY
INGERSOLL (OLD) TOWN INGERSOLL OLD WPCP 110003978	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	THAMES RIVER	.750 (3.410)	2500	MINISTRY
KINCARDINE TOWN KINCARDINE LAGOON 110000884	AERATED CELL PLUS LAGOON CONTINUOUS DISCHARGE	LAKE HURON	1.300 (5.910)	5930	MINISTRY
KINGSVILLE TOWN KINGSVILLE LAGOON 120001078	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	WIGLE CREEK	.391 (1.777)	5200	MUNICIPALITY
LEAMINGTON TOWN LEAMINGTON WPCP 120001069	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ERIE	4.200 (19.093)	12600	MUNICIPALITY
LISTOWEL TOWN LISTOWEL LAGOON CONT DIS (SUMMER SPRAY 110000409	AERATED CELL PLUS LAGOON LAGOON AND SPRAY PHOSPHORUS REMOVAL-CONTINUOUS	CHAPMAN DRAIN	1.082 (4.919)	4963	MINISTRY
LOBO TOWNSHIP KILWORTH HEIGHTS WPCP 110003382	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	THAMES RIVER	.058 (.264)	33	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
LONDON CITY ADELAIDE WPCP 120000872	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	THAMES RIVER	4.000 (18.184)	34766	MUNICIPALITY
LONDON CITY GREENWAY WPCP 120000863	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	THAMES RIVER	27.350 (124.333)	164614	MUNICIPALITY
LONDON CITY OXFORD WPCP 120000854	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	THAMES RIVER	1.200 (5.455)	13329	MUNICIPALITY
LONDON CITY POTTERSBURG WPCP 120000838	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	THAMES RIVER	5.100 (23.185)	25979	MUNICIPALITY
LONDON CITY VAUXHALL WPCP 120000845	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	THAMES RIVER	4.600 (20.912)	23154	MUNICIPALITY
LUCAN VILLAGE LUCAN LAGOON 110000855	CONVENTIONAL LAGOON SEASONAL	LITTLE AUSABLE RIVER	.100 (.455)	1531	MINISTRY
MAIDSTONE TOWNSHIP MAIDSTONE COLLECTION SYSTEM 110003175	COLLECTION SYSTEM ONLY TREATMENT AT SHARED FACILITY	(BELLE R-MAIDSTONE WPCP)	5.179 (23.544)	3912	MINISTRY
MAIDSTONE TOWNSHIP BELLE RIVER-MAIDSTONE WPCP 110002078	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ST.CLAIR	1.500 (6.819)	7419	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
MARKDALE VILLAGE MARKDALE LAGOON 110000418	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	ROCKY SAUGEEN RIVER	.106 (.482)	1260	MINISTRY
MCGILLIVRAY TOWNSHIP PARKHILL LAGOON 110002461	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	PARKHILL CREEK	.243 (1.105)	1300	MINISTRY
MEAFORD TOWN MEAFORD WPCP 110000445	HIGH RATE	GEORGIAN BAY	.860 (3.910)	3900	MINISTRY
MILDMAY VILLAGE MILDMAY WPCP 110002194	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	OTTER CREEK	.213 (.968)	960	MINISTRY
MILVERTON VILLAGE MILVERTON LAGOON 110001079	CONVENTIONAL LAGOON SEASONAL AERATED CELL PLUS LAGOON PHOSPHORUS REMOVAL-CONTINUOUS	BOYLE DRAIN	.224 (1.461)	1498	MUNICIPALITY
MITCHELL TOWN MITCHELL LAGOON 110000472	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	THAMES RIVER	.775 (3.523)	2745	MINISTRY
MOORE TOWNSHIP BRIGDEN P.V. LAGOON 110002023	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	BEAR CREEK	.074 (.336)	755	MINISTRY
MOORE TOWNSHIP CORUNNA P.V. PLANT 110000481	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	ST. CLAIR RIVER	1.000 (4.546)	5000	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
MOORE TOWNSHIP COURTRIGHT WPCP 110001818	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	ST CLAIR RIVER	.125 (.568)	1411	MINISTRY
NORMANBY TOWNSHIP NEUSTADT LAGOON 110002443	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	SOUTH SAUGEEN RIVER	.092 (.418)	498	MINISTRY
NORWICH TOWNSHIP NORWICH LAGOON 110001480	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	BIG OTTER CREEK	.219 (.996)	2156	MINISTRY
OIL SPRINGS VILLAGE OIL SPRINGS LAGOON 110001998	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	BLACK CREEK	.060 (.273)	605	MINISTRY
OWEN SOUND CITY OWEN SOUND WPCP 110000551	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	GEORGIAN BAY	5.400 (24.548)	19624	MINISTRY
PAISLEY VILLAGE PAISLEY WPCP 110001907	OXIDATION DITCH	SAUGEEN RIVER	.155 (.705)	653	MINISTRY
PETROLIA TOWN PETROLIA WPCP + LAGOON + FILTER 110000579	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	BEAR CREEK	.700 (3.182)	4186	MINISTRY
PLYMPTON-WYOMING TOWNSHIP WYOMING WPCP 110002489	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	STONEHOUSE DRAIN	.248 (1.127)	1740	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
POINT EDWARD VILLAGE POINT EDWARD WPCP 110000597	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	ST. CLAIR RIVER	.570 (2.591)	2373	MINISTRY
PORT ELGIN TOWN PORT ELGIN WPCP 120001470	OXIDATION DITCH	SAUGEEN RIVER	1.420 (6.455)	6167	MUNICIPALITY
PORT STANLEY VILLAGE PORT STANLEY LAGOON 110001373	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	DITCH TO KETTLE CREEK	.329 (1.496)	2416	MINISTRY
RALEIGH TILBURY E TOWNSHIP MERLIN PV LAGOON 110000935	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	FOXTON DR.- JEANETTES CK	.102 (.464)	703	MINISTRY
RIDGETOWN TOWN RIDGETOWN LAGOON 110001364	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	GAWNE DR TO MCGREGOR CK	.294 (1.337)	3039	MINISTRY
RODNEY VILLAGE RODNEY LAGOON 110001667	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	SIXTEEN MILE CK.	.119 (.541)	957	MINISTRY
SANDWICH SOUTH TOWNSHIP SANDWICH SOUTH COLLECTION SYSTEM 110003193	COLLECTION SYSTEM ONLY TREATMENT AT SHARED FACILITY	(WINDSOR-LITTLE R. WPCP)	.538 (2.446)	1860	MINISTRY
SANDWICH WEST TOWNSHIP SANDWICH WEST COLLECTION SYSTEM 110003228	COLLECTION SYSTEM ONLY TREATMENT AT SHARED FACILITY	(WINDSOR-WESTERLY WPCP)	3.752 (17.057)	10000	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
SARNIA CITY SARNIA WPCP 120000807	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	ST. CLAIR RIVER	14.500 (65.917)	61380	MUNICIPALITY
SARNIA TOWNSHIP BRIGHT'S GROVE LAGOON 110001989	CONVENTIONAL LAGOON SEASONAL	CREEK TO L.HURON	.387 (1.759)	2439	MINISTRY
SEAFORTH TOWN SEAFORTH LAGOON 110001177	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	CRESSWELL CREEK	.227 (1.032)	2116	MINISTRY
SOMBRA (PORT LAMBTON) TOWNSHIP PORT LAMBTON LAGOON 110001694	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	MARSHY CK.TO ST.CLAIR R.	.238 (1.082)	1206	MINISTRY
SOMBRA (PORT SOMBRA) TOWNSHIP SOMBRA LAGOON 110001885	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	ST. CLAIR RIVER	.213 (.968)	569	MINISTRY
SOUTHAMPTON TOWN SOUTHAMPTON WPCP 110001453	OXIDATION DITCH	SAUGEEN R.	.670 (3.046)	2675	MINISTRY
ST. CLAIR BEACH VILLAGE ST. CLAIR BEACH COLLECTION SYSTEM 110003184	COLLECTION SYSTEM ONLY TREATMENT AT SHARED FACILITY	(WINDSOR-LITTLE R. WPCP)	.770 (3.500)	2856	MINISTRY
ST. MARY'S SEPARATED TOWN ST. MARY'S WPCP 110001275	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	THAMES RIVER	.800 (3.637)	4355	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
ST.EDMUNDS TOWNSHIP TOBERMORY LAGOON 120001577	AERATED CELL PLUS LAGOON EXFILTRATION LAGOON	LAKE HURON	.084 (.382)	100	MUNICIPALITY
ST.THOMAS CITY ST THOMAS WPCP 120001112	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	KETTLE CREEK	3.750 (17.048)	27482	MUNICIPALITY
STEPHEN TOWNSHIP GRAND BEND LAGOON 110002452	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	AUSABLE RIVER	.416 (1.891)	642	MINISTRY
STEPHEN TOWNSHIP HURON PARK WPCP 110003488	CONVENTIONAL ACTIVATED SLUDGE	AUSABLE R	.400 (1.818)	1400	MINISTRY
STRATFORD CITY STRATFORD WPCP 110000702	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	AVON RIVER	6.000 (27.276)	25806	MINISTRY
STRATHROY TOWN STRATHROY LAGOON 120000827	CONVENTIONAL LAGOON CONTINUOUS	SYDENHAM RIVER	1.140 (5.182)	8118	MUNICIPALITY
TECUMSEH TOWN TECUMSEH COLLECTION SYSTEM 110003328	COLLECTION SYSTEM ONLY TREATMENT AT SHARED FACILITY	(WINDSOR-LITTLE R. WPCP)	1.880 (8.546)	6575	MINISTRY
THAMESVILLE VILLAGE THAMESVILLE WPCP 110002470	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	THAMES RIVER	.180 (.818)	905	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
THEDFORD VILLAGE THEDFORD LAGOON 110002338	CONVENTIONAL LAGOON SEASONAL	DECKER CREEK	.106 (.482)	661	MINISTRY
THORNBURY TOWN THORNBURY LAGOON (SUMMER STORAGE) 110001890	AERATED CELL PLUS LAGOON	BEAVER RIVER	.380 (1.727)	1495	MINISTRY
TILBURY TOWN TILBURY LAGOON 120000916	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	TILBURY CREEK	.217 (.986)	4200	MUNICIPALITY
TILBURY N TOWNSHIP STONEY POINT P.V. LAGOON 110002345	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	LITTLE CREEK	.211 (.959)	835	MINISTRY
TILBURY WEST TOWNSHIP COMBER LAGOON 110001676	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	GOVN'T DR NO.1 TO BIG CK	.089 (.405)	680	MINISTRY
TILLSONBURG TOWN TILLSONBURG WPCP 110000757	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	BIG OTTER CREEK	1.800 (8.183)	9519	MINISTRY
TUCKERSMITH TOWNSHIP VAN ASTRA WPCP 110003013	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	MUN DRAIN TO BAYFIELD R.	.309 (1.405)	650	MINISTRY
WALKERTON TOWN WALKERTON WPCP 120001489	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	SAUGEEN RIVER	1.660 (7.546)	4585	MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
WALLACEBURG TOWN WALLACEBURG WPCP 110000784	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	SYDENHAM RIVER	1.500 (6.819)	8500	MINISTRY
WATFORD VILLAGE WATFORD LAGOON 110001809	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	BEAR CREEK	.231 (1.050)	1434	MINISTRY
WEST LORNE VILLAGE WEST LORNE LAGOON 110001337	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	ZOLLER DRAIN	.149 (.677)	1207	MINISTRY
WESTMINSTER TOWNSHIP SOUTHLAND PARK WPCP (LAMBETH) 120000818	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	DINGMAN CREEK	.058 (.264)	540	MUNICIPALITY
WESTMINSTER TOWNSHIP WESTMINSTER WPCP 110000800	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	DINGMAN CREEK	.250 (1.137)	4000	MINISTRY
WIARTON TOWN WIARTON LAGOON 110000819	CONVENTIONAL LAGOON CONTINUOUS	COLPOY BAY	.151 (.686)	2061	MINISTRY
WINDSOR CITY LITTLE R WPCP 120001096	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LITTLE RIVER	8.000 (36.368)	64000	MUNICIPALITY
WINDSOR CITY WESTERLY WPCP 120001103	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	DETROIT RIVER	24.000 (109.104)	123000	MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
WINGHAM TOWN WINGHAM LAGOON 110000828	CONVENTIONAL LAGOON CONTINUOUS	MAITLAND RIVER	.450 (2.046)	2931	MINISTRY
WOODSTOCK CITY WOODSTOCK WPCP 120000685	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	THAMES RIVER	8.000 (36.388)	28500	MUNICIPALITY
ZURICH VILLAGE ZURICH LAGOON 110001444	CONVENTIONAL LAGOON SEASONAL	MUN DRAIN TO L. HURON	.097 (.441)	800	MINISTRY

SOUTHWESTERN REGION

AREA WASTEWATER TREATMENT SYSTEMS

TOTAL AREA WASTEWATER TREATMENT SYSTEMS	TOTAL CAPACITY	
	$1000m^3$	MIGD
TWO	152.3	33.5

SYSTEM: BELLE RIVER - MAIDSTONE POLLUTION CONTROL SYSTEM

Number of Plants: One
Operated by: The Ministry of the Environment

Number of Municipalities Served: Two

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	WATERCOURSE
MAIDSTONE TWP. - Belle River - Maidstone WPCP 110002078	Extended Aeration Phosphorus Removal	1.5 MIGD (6.8 1000M^3)	Belle River Town Maidstone Twp.	Lake St. Clair

SYSTEM: WINDSOR POLLUTION CONTROL SYSTEM

Number of Plants: Two
Operated by: Windsor Public Utilities Commission

Number of Municipalities Serviced: Five

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	WATERCOURSE
WINDSOR CITY - Little River WPCP 120001096	Conv. Act. Sludge Phosphorus Removal	8.0 MIGD (36.4 1000M^3)	Windsor City *Tecumseh Town *St. Clair Beach Village *Sandwich South Twp.	Little River
WINDSOR CITY - Westerly WPCP 120001103	Primary Phosphorus Removal	24.0 MIGD (109.1 1000M^3)	Windsor City Sandwich West Twp.	Detroit River

*Ministry operated sanitary sewage collection systems are serving these municipalities.

Ministry of the Environment
Ontario

West Central Region

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REGIONAL OFFICE

HAMILTON
119 King St.W.
P.O. BOX 2112
811-521-7640

DISTRICT OFFICES

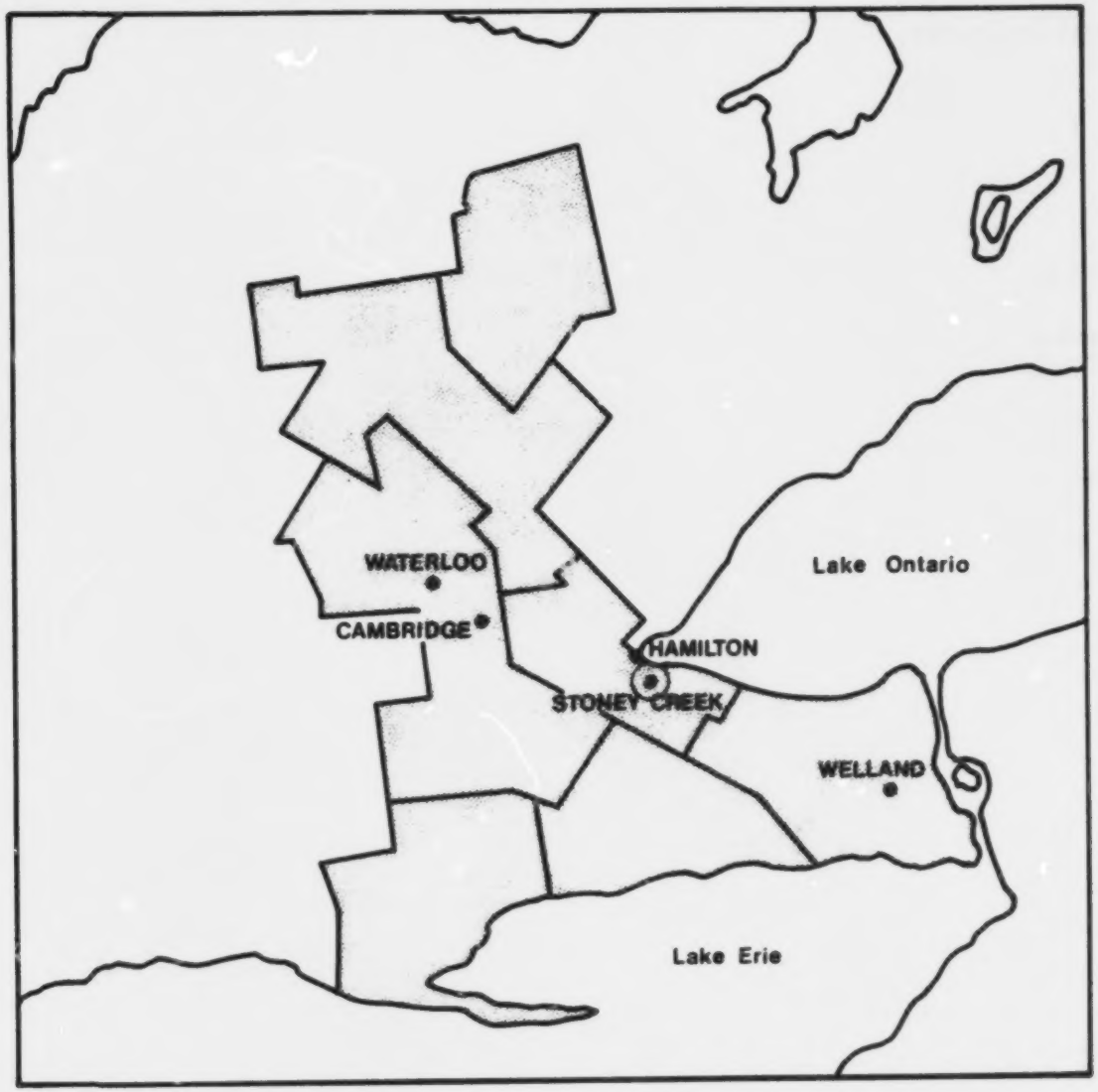
Welland
637-641 Niagara St. N.
416-735-0431

Cambridge
400 Clyde Road
P.O. Box 219
519-623-2080

West Central Region

Ministry of the Environment

Ontario



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WEST CENTRAL REGION SUMMARY

TREATMENT TYPE	<---------- NUMBER ---------->			<---------- ** CAPACITY MIGD ($1000M^3$) ---------->		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
PRIMARY	1	2	3	.900	16.400	17.300 (78.646)
CONVENTIONAL ACTIVATED SLUDGE	13	11	24	77.190	151.660	228.850 (1,040.353)
EXTENDED AERATION	6	2	8	2.577	1.529	4.106 (18.656)
HIGH RATE	1	0	1	2.050	.000	2.050 (9.319)
OXIDATION DITCH	4	0	4	.992	.000	.992 (4.510)
CONVENTIONAL LAGOON SEASONAL	6	5	11	.945	1.045	1.990 (9.046)
AERATED CELL PLUS LAGOON	2	2	4	1.070	1.095	2.165 (9.842)
**** TOTALS ****	33	22	55	85.724 (389.702)	171.729 (780.680)	257.453 (1,170.382)

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY
$1000M^3$: THOUSANDS OF CUBIC METRES

CONVERSION FACTOR
1 MGD = 4.546 $1000M^3$

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
ARTHUR VILLAGE ARTHUR LAGOON 110000882	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	CONESTOGA RIVER	.218 (.982)	1874	MINISTRY
BRANTFORD TOWNSHIP AIRPORT WPCP (DISCHARGE TO A TILE FIELD) 120004798	COMMUNAL SEPTIC TANK	NO DISC.TO SURFACE WATER	.050 (.227)	65	MUNICIPALITY
BRANTFORD CITY BRANTFORD WPCP 110000043	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	18.000 (81.828)	73000	MINISTRY
BRANTFORD TOWNSHIP CAINSVILLE LAGOON (SERVES INDUSTRY) 120004716	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	FAIR CHILD CREEK	.037 (.168)	65	MUNICIPALITY
CAMBRIDGE CITY GALT WPCP 110000276	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	8.500 (38.641)	44966	MINISTRY
CAMBRIDGE CITY HESPELER WPCP 110001033	HIGH RATE PHOSPHORUS REMOVAL-CONTINUOUS	SPEED RIVER	2.050 (9.319)	10110	MINISTRY
CAMBRIDGE CITY PRESTON WPCP 110000822	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	3.710 (16.866)	19873	MINISTRY
DELHI TOWNSHIP DELHI WPCP 120001425	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	BIG CREEK	.700 (3.182)	3839	MINISTRY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
DUNDAS TOWN DUNDAS KING ST.WPCP 120001372	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	COOTES PARADISE	4.000 (18.184)	19501	MUNICIPALITY
DUNNVILLE TOWN DUNNVILLE WPCP 120001443	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	1.700 (7.728)	5471	MINISTRY
DUNNVILLE TOWN OSWEGO PARK LAGOON 110003088	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	OSWEGO CREEK	.020 (.091)	250	MINISTRY
ELORA VILLAGE ELORA WPCP 110000178	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	.674 (3.064)	2800	MUNICIPALITY
FERGUS TOWN FERGUS WPCP 110000249	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	1.100 (5.001)	5935	MINISTRY
FLAMBOROUGH TOWNSHIP WATERDOWN WPCP 120005001	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	GRINDSTONE CREEK	.600 (2.728)	3900	MUNICIPALITY
FORT ERIE TOWN CRYSTAL BEACH WPCP 120001283	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ERIE	.855 (3.887)	6106	MUNICIPALITY
FORT ERIE TOWN RIVER ROAD WPCP 120001282	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	NIAGARA RIVER	3.600 (16.366)	12477	MUNICIPALITY
FORT ERIE TOWN STEVENSVILLE - DOUGLASTOWN LAGOON 120003110	CONVENTIONAL LAGOON SEASONAL	NIAGARA RIVER	.504 2.291	2008	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
GRAND VALLEY VILLAGE GRAND VALLEY WPCP 110000301	OXIDATION DITCH PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	.132 (.600)	1200	MINISTRY
GRIMSBY TOWN BAKER ROAD WPCP 120001684	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	4.000 (18.184)	17720	MUNICIPALITY
GRIMSBY TOWN WEST END LAGOON 120001256	AERATED CELL PLUS LAGOON	LAKE ONTARIO	.250 (1.137)	844	MUNICIPALITY
GUELPH CITY GUELPH WPCP 120003094	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	SPEED RIVER	12.000 (54.552)	76600	MUNICIPALITY
HALDIMAND TOWN CAYUGA WPCP 110000089	OXIDATION DITCH PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	.200 (.909)	1049	MINISTRY
HALDIMAND TOWN CALEDONIA PLANT 120001452	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	.500 (2.273)	4237	MINISTRY
HALDIMAND TOWN HAGERSVILLE WPCP 110001024	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	SANDUSK CREEK	.220 (1.000)	2382	MINISTRY
HAMILTON CITY WOODWARD AVE.WPCP (P.REM WITHOUT CHEM) 120001504	CONVENTIONAL ACTIVATED SLUDGE	HAMILTON HARBOUR	90.000 (409.140)	300000	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3 (1000M))	POPULATION SERVED	OPERATED BY
HARRISTON TOWN HARRISTON LAGOON 110000329	CONVENTIONAL LAGOON SEASONAL	MAITLAND RIVER	.219 (.996)	1983	MINISTRY
KITCHENER CITY KITCHENER WPCP 110000374	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	27.000 (122.742)	138271	MINISTRY
MOUNT FOREST TOWN MOUNT FOREST WPCP 120001381	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	SAUGEEN RIVER	.540 (2.455)	3200	MUNICIPALITY
NANTICOKE CITY PORT DOVER WPCP 110000804	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ERIE	.900 (4.091)	3475	MINISTRY
NANTICOKE CITY JARVIS LAGOON 120001434	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	SANDUSK CREEK	.120 (.546)	1190	MINISTRY
NANTICOKE CITY TOWNSEND LAGOON 110003424	CONVENTIONAL LAGOON SEASONAL	NANTICOKE CREEK	.210 (.955)	200	MINISTRY
NANTICOKE CITY WATERFORD LAGOON 110001195	AERATED CELL PLUS LAGOON PHOSPHORUS REMOVAL-CONTINUOUS	NANTICOKE CREEK	.470 (2.137)	2364	MINISTRY
NIAGARA FALLS CITY STAMFORD WPCP 120001383	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	CHIPPAWA POWER CANAL	12.800 (58.189)	68775	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
NIAGARA-ON-THE-LAKE TOWN GARDEN CITY RACEWAY LAGOON 120003236	CONVENTIONAL LAGOON SEASONAL	DITCH TO SIX MILE CREEK	.140 (.636)	150	MUNICIPALITY
NIAGARA-ON-THE-LAKE TOWN NIAGARA-ON-THE-LAKE LAGOON 120001238	AERATED CELL PLUS LAGOON	LAKE ONTARIO	.845 (3.841)	3599	MUNICIPALITY
NORFOLK TOWNSHIP PORT ROWAN LAGOON 110001113	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	DEDRICH CREEK	.160 (.727)	720	MINISTRY
NORTH DUMFRIES TOWNSHIP AYR PV WPCP 110001843	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	NITH RIVER	.260 (1.182)	1281	MINISTRY
ORANGEVILLE TOWN ORANGEVILLE WPCP 110000542	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	CREDIT RIVER	1.750 (7.956)	14000	MINISTRY
PALMERSTON TOWN PALMERSTON WPCP 110001088	CONVENTIONAL ACTIVATED SLUDGE	WALLACE DRAIN	.150 (.682)	2050	MINISTRY
PARIS TOWN PARIS WPCP 110001097	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	1.550 (7.048)	4359	MINISTRY
PORT COLBORNE CITY SEAWAY WPCP 120001906	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	WELLAND CANAL	3.300 (15.002)	16000	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
PORT COLBORNE CITY WEST PLANT (EXCESS Q FROM SEAWAY ONLY) 120001336	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	WELLAND CANAL	1.350 (6.137)	10800	MUNICIPALITY
S DUMFRIES(ST GEORGE) TOWNSHIP ST GEORGE PV WPCP 110003415	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	FAIRCHILD CREEK (W. BR)	.234 (1.064)	500	MINISTRY
SHELBURNE VILLAGE SHELBURNE WPCP 110000859	OXIDATION DITCH PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	BOYNE RIVER	.450 (2.046)	4000	MINISTRY
SIMCOE TOWN SIMCOE WPCP 110000877	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	LYNN RIVER	3.400 (15.456)	11961	MINISTRY
ST CATHARINES CITY PORT DALHOUSIE WPCP 120001327	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	13.500 (61.371)	60084	MUNICIPALITY
ST CATHARINES CITY PORT WELLER WPCP 120001318	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	PORT WELLER HARBOUR	12.370 (56.234)	75160	MUNICIPALITY
STONEY CREEK TOWN BARTLETTS LAGOON 120003087	CONVENTIONAL LAGOON SEASONAL	LAKE ONTARIO	.020 (.091)	170	MUNICIPALITY
WATERLOO CITY WATERLOO WPCP 110000793	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	10.000 (45.460)	54157	MINISTRY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
WELLAND CITY WELLAND WPCP 120001309	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	WELLAND RIVER	10.000 (45.460)	43500	MUNICIPALITY
WELLESLEY TOWNSHIP WELLESLEY WPCP 110001578	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	NITH RIVER	.110 (.500)	926	MINISTRY
WEST LINCOLN TOWNSHIP SMITHVILLE LAGOON 120001229	CONVENTIONAL LAGOON SEASONAL	TWENTY MILE CREEK	.344 (1.564)	1950	MUNICIPALITY
WILMOT TOWNSHIP BADEN WPCP 110001710	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	BADEN CREEK	.203 (.923)	1016	MINISTRY
WILMOT TOWNSHIP NEW HAMBURG LAGOON 110000506	AERATED CELL PLUS LAGOON PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	NITH RIVER	.600 (2.728)	3787	MINISTRY
WOOLWICH TOWNSHIP ELMIRA WPCP (COMBINED FLOW) 110000150	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	CANAGAGIGUE CREEK	.680 (3.091)	6872	MINISTRY
WOOLWICH TOWNSHIP ST.JACOBS PV WPCP 110001211	OXIDATION DITCH PHOSPHORUS REMOVAL-CONTINUOUS	CONESTOGO RIVER	.210 (.955)	1174	MINISTRY

WEST CENTRAL REGION

WASTEWATER TREATMENT

REGIONAL MUNICIPALITIES

REGIONAL MUNICIPALITIES	CAPACITY	
	$1000m^3$	MIGD
HALDIMAND - NORFOLK	39.1	8.6
HAMILTON - WENTWORTH	430.1	94.6
NIAGARA	290.3	63.9
WATERLOO	242.4	53.3
TOTAL	1001.9	220.4

REGIONAL MUNICIPALITY OF HALDIMAND-NORFOLK

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD ($10000M^3$)	POPULATION SERVED	OPERATED BY
DELHI TOWNSHIP DELHI WPCP 120001425	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	BIG CREEK	.700 (3.182)	3839	MINISTRY
DUNNVILLE TOWN DUNNVILLE WPCP 120001443	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	1.700 (7.728)	5471	MINISTRY
DUNNVILLE TOWN OSWEGO PARK LAGOON 110003068	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	OSWEGO CREEK	.020 (.091)	250	MINISTRY
HALDIMAND TOWN CAYUGA WPCP 110000089	OXIDATION DITCH PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	.200 (.909)	1049	MINISTRY
HALDIMAND TOWN CALEDONIA PLANT 120001452	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	.500 (2.273)	4237	MINISTRY
HALDIMAND TOWN HAGERSVILLE WPCP 110001024	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	SANDUSK CREEK	.220 (1.000)	2362	MINISTRY
NANTICOKE CITY PORT DOVER WPCP 110000804	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ERIE	.900 (4.091)	3475	MINISTRY
NANTICOKE CITY JARVIS LAGOON 120001434	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	SANDUSK CREEK	.120 (.546)	1190	MINISTRY

REGIONAL MUNICIPALITY OF HALDIMAND-NORFOLK

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
NANTICOKE CITY TOWNSEND LAGOON 110003424	CONVENTIONAL LAGOON SEASONAL	NANTICOKE CREEK	.210 (.955)	200	MINISTRY
NANTICOKE CITY WATERFORD LAGOON 110001195	AERATED CELL PLUS LAGOON PHOSPHORUS REMOVAL-CONTINUOUS	NANTICOKE CREEK	.470 (2.137)	2364	MINISTRY
NORFOLK TOWNSHIP PORT ROWAN LAGOON 110001113	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	DEDRICH CREEK	.160 (.727)	720	MINISTRY
SIMCOE TOWN SIMCOE WPCP 110000877	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	LYNN RIVER	3.400 (15.456)	11981	MINISTRY
	TOTAL CAPACITY		8.800 (39.096)		

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (1000M^3)	POPULATION SERVED	OPERATED BY
DUNDAS TOWN DUNDAS KING ST.WPCP 120001372	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	COOTES PARADISE	4.000 (18.184)	19501	MUNICIPALITY
FLAMBOROUGH TOWNSHIP WATERDOWN WPCP 120005001	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	GRINDSTONE CREEK	.800 (2.728)	3900	MUNICIPALITY
HAMILTON CITY WOODWARD AVE.WPCP (P.REM WITHOUT CHEM) 120001504	CONVENTIONAL ACTIVATED SLUDGE	HAMILTON HARBOUR	90.000 (409.140)	300000	MUNICIPALITY
STONEY CREEK TOWN BARTLETTS LAGOON 120003087	CONVENTIONAL LAGOON SEASONAL	LAKE ONTARIO	.020 (.091)	170	MUNICIPALITY
	TOTAL CAPACITY		94.820 (430.143)		

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (1000M^3)	POPULATION SERVED	OPERATED BY
FORT ERIE TOWN CRYSTAL BEACH WPCP 120001283	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ERIE	.855 (3.887)	5108	MUNICIPALITY
FORT ERIE TOWN RIVER ROAD WPCP 120001292	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	NIAGARA RIVER	3.600 (16.368)	12477	MUNICIPALITY
GRIMSBY TOWN BAKER ROAD WPCP 120001884	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	4.000 (18.184)	17720	MUNICIPALITY
GRIMSBY TOWN WEST END LAGOON 120001256	AERATED CELL PLUS LAGOON	LAKE ONTARIO	.250 (1.137)	844	MUNICIPALITY
NIAGARA FALLS CITY STAMFORD WPCP 120001363	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	CHIPPAWA POWER CANAL	12.800 (58.189)	68775	MUNICIPALITY
FORT ERIE TOWN STEVENSVILLE - DOUGLASTOWN LAGOON 120003110	CONVENTIONAL LAGOON SEASONAL	NIAGARA RIVER	.504 (2.291)	2008	MUNICIPALITY
NIAGARA-ON-THE-LAKE TOWN GARDEN CITY RACEWAY LAGOON 120003236	CONVENTIONAL LAGOON SEASONAL	DITCH TO SIX MILE CREEK	.140 (.636)	150	MUNICIPALITY
NIAGARA-ON-THE-LAKE TOWN NIAGARA-ON-THE-LAKE LAGOON 120001238	AERATED CELL PLUS LAGOON	LAKE ONTARIO	.845 (3.841)	3599	MUNICIPALITY

REGIONAL MUNICIPALITY OF NIAGARA

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
PORT COLBORNE CITY SEAWAY WPCP 120001906	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	WELLAND CANAL	3.300 (15.002)	18000	MUNICIPALITY
PORT COLBORNE CITY WEST PLANT (EXCESS Q FROM SEAWAY ONLY) 120001336	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	WELLAND CANAL	1.350 (6.137)	10800	MUNICIPALITY
ST CATHARINES CITY PORT DALHOUSIE WPCP 120001327	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	13.500 (61.371)	60084	MUNICIPALITY
ST CATHARINES CITY PORT WELLER WPCP 120001318	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	PORT WELLER HARBOUR	12.370 (56.234)	75160	MUNICIPALITY
WELLAND CITY WELLAND WPCP 120001309	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	WELLAND RIVER	10.000 (45.460)	43500	MUNICIPALITY
WEST LINCOLN TOWNSHIP SMITHVILLE LAGOON 120001229	CONVENTIONAL LAGOON SEASONAL	TWENTY MILE CREEK	.344 (1.564)	1950	MUNICIPALITY
	TOTAL CAPACITY		63.859 (290.303)		

REGIONAL MUNICIPALITY OF WATERLOO

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (10^3 M^3)	POPULATION SERVED	OPERATED BY
CAMBRIDGE CITY GALT WPCP 110000276	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	8.500 (38.641)	44986	MINISTRY
CAMBRIDGE CITY HESPELER WPCP 110001033	HIGH RATE PHOSPHORUS REMOVAL-CONTINUOUS	SPEED RIVER	2.050 (9.319)	10110	MINISTRY
CAMBRIDGE CITY PRESTON WPCP 110000822	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	3.710 (16.866)	19873	MINISTRY
KITCHENER CITY KITCHENER WPCP 110000374	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	27.000 (122.742)	133271	MINISTRY
NORTH DUMFRIES TOWNSHIP AYR PV WPCP 110001943	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	NITH RIVER	.260 (1.182)	1281	MINISTRY
WATERLOO CITY WATERLOO WPCP 110000793	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	10.000 (45.460)	54157	MINISTRY
WELLESLEY TOWNSHIP WELLESLEY WPCP 110001578	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	NITH RIVER	.110 (.500)	926	MINISTRY
WILMOT TOWNSHIP BADEN WPCP 110001710	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	BADEN CREEK	.203 (.923)	1018	MINISTRY

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
WILMOT TOWNSHIP NEW HAMBURG LAGOON 110000508	AERATED CELL PLUS LAGOON PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	NITH RIVER	.600 (2.728)	3787	MINISTRY
WOOLWICH TOWNSHIP ELMIRA WPCP (COMBINED FLOW) 110000150	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	CANAGAGIGUE CREEK	.680 (3.091)	6872	MINISTRY
WOOLWICH TOWNSHIP ST.JACOBS PV WPCP 110001211	OXIDATION DITCH PHOSPHORUS REMOVAL-CONTINUOUS	CONESTOGO RIVER	.210 (.955)	1174	MINISTRY
	TOTAL CAPACITY		53.323 (242.408)		

WEST CENTRAL REGION

AREA WASTEWATER TREATMENT SYSTEMS

TOTAL AREA WASTEWATER TREATMENT SYSTEMS	TOTAL CAPACITY	
	$1000m^3$	MIGD
FOUR	579.6	129.9

SYSTEM: GRIMSBY/LINCOLN POLLUTION CONTROL SYSTEM

Number of Plants: One
Operated by: Regional Municipality of Niagara

Number of Municipalities Served: Two

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	WATERCOURSE
GRIMSBY TOWN - Baker Road. WPCP 120001684	Conv. Act. Sludge Phosphorus Removal	4.0 MIGD (18.2 1000M^3)	Grimsby Town Lincoln Town	Lake Ontario

SYSTEM: HAMILTON POLLUTION CONTROL SYSTEM

Number of Plants: One
Operated by: Regional Municipality of Hamilton-Wentworth

Number of Municipalities Serviced: Three

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	WATERCOURSE
HAMILTON CITY - Woodward Ave. WPCP 120001504	*Conv. Act. Sludge	90.0 MIGD (409.1 1000M^3)	Hamilton City Ancaster Town Stoney Creek Town	Lake Ontario - Hamilton Harbour

*Note: Phosphorus Removal is achieved without chemical feed at the treatment plant due to the nature of the wastes.

SYSTEM: ST CATHARINES POLLUTION CONTROL SYSTEM

Number of Plants: Two
Operated by: Regional Municipality of Niagara

Number of Municipalities Served: Two

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	WATERCOURSE
ST. CATHARINES CITY - Port Dalhousie WPCP 120001327	Con. Act. Sludge Phosphorus Removal	13.50 MIGD (61.37 1000M^3)	St. Catharines Thorold City	Lake Ontario
ST. CATHARINES CITY - Port Weller WPCP 120001318	Conv. Act. Sludge Phosphorus Removal	12.37 MIGD (56.23 1000M^3)	St. Catharines Thorold City	Port Weller Harbour Lake Ontario

SYSTEM: WELLAND POLLUTION CONTROL SYSTEM

Number of Plants: One
Operated by: Regional Municipality of Niagara

Number of Municipalities Served: Two

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	WATERCOURSE
WELLAND CITY - Welland WPCP 120001309	Conv. Act. Sludge Phosphorus Removal	10.0 MIGD (45.4 1000M^3)	Welland City Pelham Town	Welland River

Ministry of the Environment
Ontario

Central Region

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REGIONAL OFFICE

DON MILLS
7 Overlea Blvd.
416-424-3000

DISTRICT OFFICES

Barrie
12 Fairview Rd.
705-726-1730

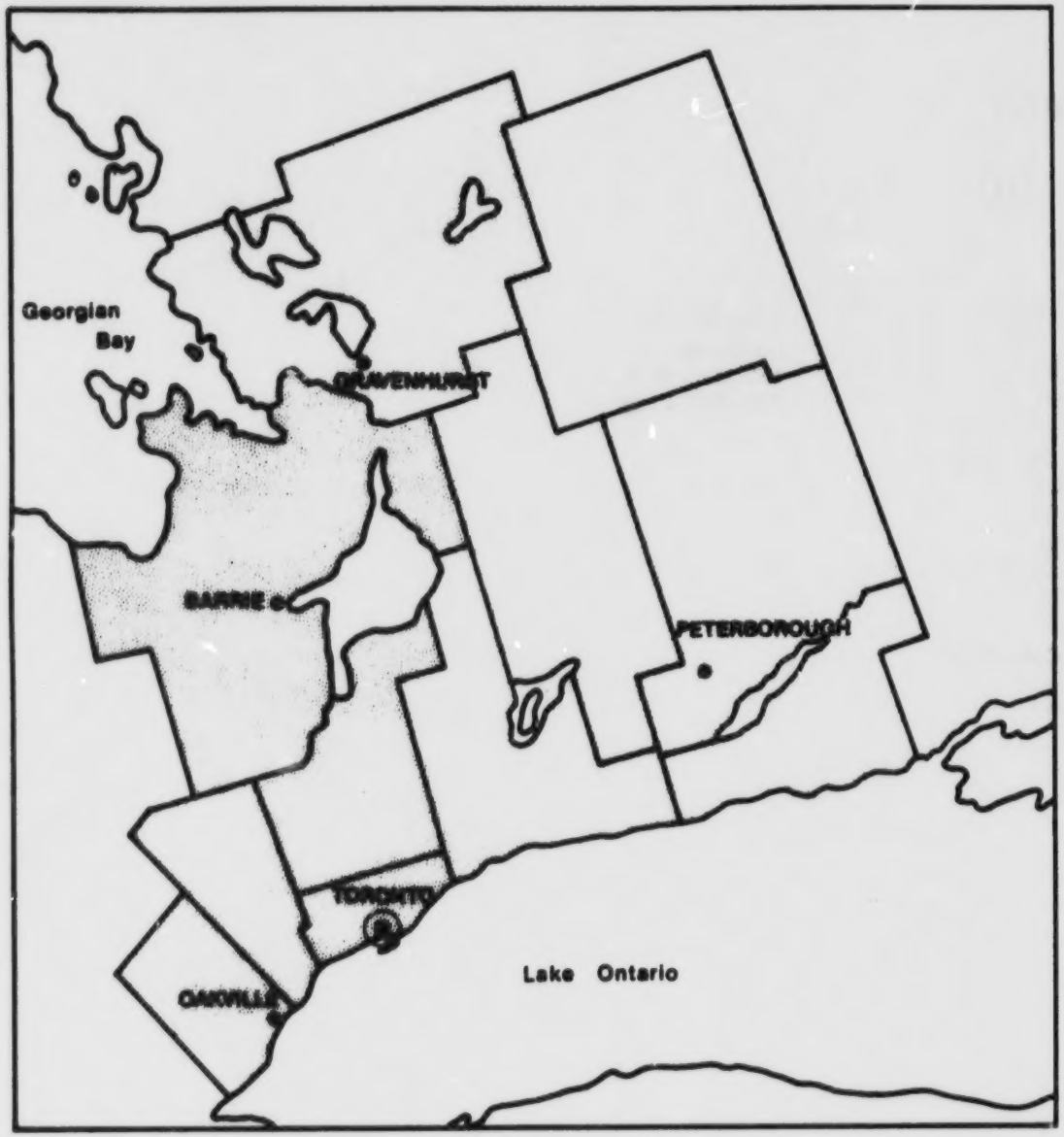
Muskoka-Haliburton
Gravenhurst Shopping Centre
705-687-3408

Peterborough
139 George St. N.
705-743-2972

Halton-Peel
1226 White Oaks Blvd.
Oakville
416-844-5747

SUB-OFFICE

Huntsville
100 Main St. E.
705-789-2386



Central Region

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CENTRAL REGION SUMMARY

TREATMENT TYPE	NUMBER			** CAPACITY MIGD ($1000M^3$)		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
CONVENTIONAL ACTIVATED SLUDGE	3	28	31	75.300	451.390	526.690 (2,394.333)
CONTACT STABILIZATION	1	1	2	.230	.660	.890 (4.046)
EXTENDED AERATION	9	10	19	5.929	26.147	32.076 (145.817)
TRICKLING FILTER	0	2	2	.000	8.000	8.000 (36.368)
HIGH RATE	0	1	1	.000	2.000	2.000 (9.092)
OXIDATION DITCH	3	0	3	.613	.000	.613 (2.787)
CONVENTIONAL LAGOON CONTINUOUS	0	2	2	.000	2.665	2.665 (12.116)
CONVENTIONAL LAGOON SEASONAL	1	7	8	.128	2.579	2.707 (12.306)
LAGOON AND SPRAY	1	0	1	.135	.000	.135 (.614)
AERATED CELL PLUS LAGOON	0	2	2	.000	.366	.366 (1.664)
EXFILTRATION LAGOON	1	1	2	.300	.100	.400 (1.818)
**** TOTALS ****	19	54	73	82.635 (375.659)	493.907 (2,245.301)	576.542 (2,620.960)

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY
$1000M^3$:THOUSANDS OF CUBIC METRES

CONVERSION FACTOR
1 MGD = 4.546 $1000M^3$

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3/d) (1000M)	POPULATION SERVED	OPERATED BY
ALLISTON TOWN ALLISTON WPCP 110001220	EXTENDED AERATION	BOYNE RIVER	.770 (3.500)	4681	MINISTRY
ANSON HINDON MINDEN TOWNSHIP MINDEN MUN.WPCP 110002380	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	GULL RIVER	.315 (1.432)	1137	MUNICIPALITY
AURORA TOWN AURORA WPCP (PHASED OUT IN 1984) 120000453	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	AURORA CREEK	3.000 (13.638)	15000	MUNICIPALITY
BARRIE CITY BARRIE WPCP 120000578	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	KEMPENFELT BAY L. SIMCOE	6.000 (27.276)	40000	MUNICIPALITY
BEETON VILLAGE BEETON LAGOON 110000817	EXFILTRATION LAGOON	NO DISC.TO SURFACE WATER	.300 (1.364)	1900	MINISTRY
BICROFT TOWNSHIP CARDIFF LAGOON 120001032	EXFILTRATION LAGOON	NO DISC.TO SURFACE WATER	.100 (.455)	741	MUNICIPALITY
BOBCAYGEON VILLAGE BOBCAYGEON WPCP 110002498	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	BOBCAYGEON RIVER	.672 (3.055)	2295	MINISTRY
BRACEBRIDGE (EXTENDED AERATION 1984) TOWN BRACEBRIDGE LAGOON 110000034	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	MUSKOKA RIVER	.454 (2.064)	5215	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
BRADFORD TOWN BRADFORD WPCP 110000944	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	SCHOMBERG RIVER	1.500 (6.819)	7044	MINISTRY
BRIGHTON VILLAGE BRIGHTON LAGOON 110000953	AERATED CELL PLUS LAGOON CONTINUOUS DISCHARGE PHOSPHORUS REMOVAL-CONTINUOUS	BUTLER CREEK	.136 (.618)	3202	MUNICIPALITY
BROCK TOWNSHIP BEAVERTON LAGOON 110000908	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	LAKE SIMCOE	.382 (1.737)	2257	MUNICIPALITY
BROCK TOWNSHIP CANNINGTON LAGOON 110001248	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	BEAVERTON RIVER	.203 (.923)	1647	MUNICIPALITY
BURLINGTON CITY SKYWAY WPCP 110000070	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	HAMILTON HARBOUR	20.500 (93.193)	120100	MUNICIPALITY
CALEDON TOWN BOLTON WPCP 120000894	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	HUMBER RIVER	1.000 (4.546)	7939	MUNICIPALITY
CAMPBELLFORD TOWN CAMPBELLFORD WPCP 110000982	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	TRENT RIVER	1.300 (5.910)	3330	MINISTRY
COBOURG TOWN COBOURG WPCP 120000087	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	COBOURG BROOK	3.530 (16.047)	11222	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
COLDWATER VILLAGE COLDWATER WPCP 110001598	EXTENDED AERATION	COLDWATER RIVER	.120 (.548)	800	MINISTRY
COLLINGWOOD TOWN COLLINGWOOD WPCP 120000550	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GEORGIAN BAY	5.400 (24.548)	11500	MUNICIPALITY
CRAMAHE TOWNSHIP COLBORNE LAGOON 120000088	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT FILTRATION	COLBORNE CREEK	.302 (1.373)	1548	MUNICIPALITY
DYSART-ET-AL TOWNSHIP HALIBURTON WPCP 110001603	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	DRAG R. TO GRASS LAKE	.210 (.955)	875	MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP HOLLAND LANDING LAGOON 120001620	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	HOLLAND RIVER	.300 (1.364)	2200	MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP MOUNT ALBERT WPCP 120001853	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	MOUNT ALBERT CREEK	.150 (.682)	1100	MUNICIPALITY
ELMVALE VILLAGE ELMVALE LAGOON 110000169	CONVENTIONAL LAGOON CONTINUOUS	WYE RIVER	.165 (.750)	1200	MUNICIPALITY
ESSA TOWNSHIP ANGUS WPCP 110003282	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	NOTTAWASAGA RIVER	.747 (3.398)	1990	MINISTRY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
FENELON FALLS VILLAGE FENELON FALLS WPCP 110001612	OXIDATION DITCH PHOSPHORUS REMOVAL-CONTINUOUS	FENELON RIVER	.220 (1.000)	1870	MINISTRY
GEORGINA TOWNSHIP SUTTON WPCP 110001168	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	BLACK RIVER	.450 (2.046)	2650	MUNICIPALITY
GRAVENHURST TOWN GRAVENHURST WPCP 120000809	CONVENTIONAL ACTIVATED SLUDGE EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	MUSKOKA LAKE	.670 (3.046)	4274	MUNICIPALITY
HALTON HILLS TOWN ACTON WPCP + LAGOON 120001023	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	BLACK CREEK	1.000 (4.546)	7478	MUNICIPALITY
HALTON HILLS TOWN GEORGETOWN WPCP 110000294	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	SILVER CREEK	3.000 (13.638)	18123	MUNICIPALITY
HASTINGS VILLAGE HASTINGS WPCP 110001827	OXIDATION DITCH PHOSPHORUS REMOVAL-CONTINUOUS	TRENT RIVER	.233 (1.059)	771	MINISTRY
HAVELOCK VILLAGE HAVELOCK LAGOON 110001765	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	PLATO CREEK	.128 (.582)	1267	MINISTRY
HUNTSVILLE TOWN HUNTSVILLE WPCP 110000347	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	MUSKOKA RIVER	1.000 (4.546)	6034	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
LAKEFIELD VILLAGE LAKEFIELD LAGOON 110001482	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	OTONABEE RIVER	.350 (1.591)	2300	MUNICIPALITY
LINDSAY TOWN LINDSAY LAGOON 110000383	CONVENTIONAL LAGOON CONTINUOUS AERATED CELL PHOSPHORUS REMOVAL-CONTINUOUS	SCUGOG RIVER	2.500 (11.365)	13950	MUNICIPALITY
METRO TORONTO CITY HIGHLAND CREEK WPCP (SCARBOROUGH) 120000373	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	HIGHLAND CREEK	48.000 (218.208)	310000	MUNICIPALITY
METRO TORONTO CITY HUMBER WPCP (ETOBICOKE) 120000382	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	90.000 (409.140)	540000	MUNICIPALITY
METRO TORONTO CITY MAIN WPCP (TORONTO) 120000391	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	180.000 (818.280)	1200000	MUNICIPALITY
METRO TORONTO CITY NORTH TORONTO WPCP (EAST YORK) 120000384	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	DON RIVER	10.000 (45.460)	170000	MUNICIPALITY
MIDLAND TOWN MIDLAND WPCP 110000483	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	MIDLAND BAY	3.000 (13.638)	12000	MUNICIPALITY
MILLBROOK VILLAGE MILLBROOK WPCP 110002238	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	BAXTER CREEK	.250 (1.137)	945	MINISTRY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
MILTON TOWN MILTON WPCP 120001014	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	OAKVILLE CREEK	2.840 (12.911)	28067	MUNICIPALITY
MISSISSAUGA CITY CLARKSON WPCP SOUTH-PEEL SYSTEM 110001328	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	24.000 (109.104)	120000	MINISTRY
MISSISSAUGA CITY LAKEVIEW WPCP SOUTH-PEEL SYSTEM 110001284	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	50.000 (227.300)	410000	MINISTRY
MUSKOKA LAKES TOWNSHIP BALA WPCP 120000792	COMMUNAL SEPTIC TANK PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT FILTRATION	LONG LAKE	.020 (.091)	105	MUNICIPALITY
MUSKOKA LAKES TOWNSHIP PORT CARLING WPCP 110002229	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	INDIAN RIVER	.120 (.546)	906	MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE ONE (ON STANDBY) 120000060	TRICKLING FILTER PHOSPHORUS REMOVAL-CONTINUOUS	SOPER CREEK	.500 (2.273)		MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE TWO (ON STANDBY) 120000051	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	SOPER CREEK	1.000 (4.546)		MUNICIPALITY
NEWCASTLE TOWN NEWCASTLE WPCP 110001569	EXTENDED AERATION	LAKE ONTARIO	.400 (1.818)	1866	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3 (1000M))	POPULATION SERVED	OPERATED BY
NEWCASTLE TOWN PORT DARLINGTON WPCP 120003078	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	1.000 (4.546)	12831	MUNICIPALITY
NEWMARKET TOWN NEWMARKET WPCP (PHASED OUT IN 1984) 110000524	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	HOLLAND RIVER	3.000 (13.638)	28234	MUNICIPALITY
NORWOOD VILLAGE NORWOOD WPCP 110001499	OXIDATION DITCH PHOSPHORUS REMOVAL-CONTINUOUS	OUSE RIVER	.160 (.727)	950	MINISTRY
OAKVILLE TOWN SOUTH EAST WPCP 120000998	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	5.000 (22.730)	23273	MUNICIPALITY
OAKVILLE TOWN SOUTH WEST WPCP 120001005	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	10.500 (47.733)	50888	MUNICIPALITY
ONEMEE VILLAGE ONEMEE LAGOON 110001630	LAGOON AND SPRAY	NO DISC.TO SURFACE WATER	.135 (.614)	649	MINISTRY
ORILLIA CITY ORILLIA WPCP 120000569	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE SIMCOE	4.000 (18.184)	24000	MUNICIPALITY
OSHAWA CITY HARMONY CR WPCP NO 1 120000774	TRICKLING FILTER PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	7.500 (34.095)	102938	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
OSHAWA CITY HARMONY CR WPCP NO 2 120001857	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	7.500 (34.095)	51489	MUNICIPALITY
PENETANGUISHENE TOWN PENETANGUISHENE WPCP 120000841	CONTACT STABILIZATION PHOSPHORUS REMOVAL-CONTINUOUS	PENETANG BAY	.660 (3.000)	4000	MUNICIPALITY
PETERBOROUGH CITY PETERBOROUGH WPCP 120000676	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	OTONABEE RIVER	12.000 (54.552)	61063	MUNICIPALITY
PICKERING TOWN YORK-DURHAM WPCP 120001915	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	40.000 (181.840)	84386	MUNICIPALITY
PORT HOPE TOWN PORT HOPE WPCP 120000079	HIGH RATE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	2.000 (9.092)	10274	MUNICIPALITY
PORT MCNICOLL VILLAGE PORT MCNICOLL 110001417	CONTACT STABILIZATION PHOSPHORUS REMOVAL-CONTINUOUS	GEORGIAN BAY	.230 (1.046)	1403	MINISTRY
SCUGOG TOWNSHIP PORT PERRY LAGOON 110001257	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT CHLORINATION	LAKE SCUGOG	.700 (3.182)	13087	MUNICIPALITY
SMITH TOWNSHIP WOODLAND ACRES WPCP 110002381	EXTENDED AERATION	OTONABEE R.	.080 (.364)	430	MINISTRY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
STAYNER TOWN STAYNER LAGOON 110000695	AERATED CELL PLUS LAGOON	LAMONT CREEK	.230 (1.046)	2400	MUNICIPALITY
TOTTENHAM VILLAGE TOTTENHAM LAGOON 120000523	CONVENTIONAL LAGOON SEASONAL	BEETON CREEK	.190 (.864)	3000	MUNICIPALITY
UXBRIDGE TOWNSHIP UXBRIDGE WPCP 120000756	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	UXBRIDGE BROOK	.800 (3.637)	3225	MUNICIPALITY
VAUGHAN TOWN KLEINBURG WPCP 120000417	EXTENDED AERATION	HUMBER RIVER	.050 (.227)	900	MUNICIPALITY
VICTORIA HARBOUR VILLAGE VICTORIA HARBOUR WPCP 120003227	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	GEORGIAN BAY	.520 (2.364)	500	MINISTRY
WASAGA BEACH TOWN WASAGA BEACH WPCP 120001882	EXTENDED AERATION EXFILTRATION	NO DISC.TO SURFACE WATER	1.270 (5.773)	2625	MINISTRY
WHITBY TOWN CORBETT CREEK WPCP 120000738	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	8.000 (36.368)	13192	MUNICIPALITY
WHITBY TOWN PRINGLE CREEK WPCP NO 1 120000747	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	PRINGLE CREEK	1.250 (5.683)	2270	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
WHITBY TOWN PRINGLE CREEK WPCP NO 2 120003101	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	PRINGLE CREEK	2.000 (9.092)	17462	MUNICIPALITY
WHITCHURCH-STOUFFVILLE TOWN STOUFFVILLE WPCP 120000408	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	DUFFIN CREEK	.550 (2.500)	5500	MUNICIPALITY

CENTRAL REGION

WASTEWATER TREATMENT

REGIONAL MUNICIPALITIES

REGIONAL MUNICIPALITIES	CAPACITY	
	$1000m^3$	MIGD
DURHAM	314.7	69.2
HALTON	194.8	42.8
METROPOLITAN TORONTO	1491.0	328.0
PEEL	341.0	75.0
YORK	20.5	4.5
DISTRICT MUNICIPALITY OF MUSKOKA	10.3	2.3
TOTAL	2372.3	521.8

REGIONAL MUNICIPALITY OF DURHAM

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
BROCK TOWNSHIP BEAVERTON LAGOON 110000906	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	LAKE SIMCOE	.382 (1.737)	2287	MUNICIPALITY
BROCK TOWNSHIP CANNINGTON LAGOON 110001248	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	BEAVERTON RIVER	.203 (.923)	1647	MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE ONE (ON STANDBY) 120000080	TRICKLING FILTER PHOSPHORUS REMOVAL-CONTINUOUS	SOPER CREEK	.500 (2.273)	8400	MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE TWO (ON STANDBY) 120000081	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	SOPER CREEK	1.000 (4.546)	8431	MUNICIPALITY
NEWCASTLE TOWN NEWCASTLE WPCP 110001988	EXTENDED AERATION	LAKE ONTARIO	.400 (1.818)	1886	MUNICIPALITY
NEWCASTLE TOWN PORT DARLINGTON WPCP 120003078	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	1.000 (4.546)	12831	MUNICIPALITY
OSHAWA CITY HARMONY CR WPCP NO 1 120000774	TRICKLING FILTER PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	7.500 (34.095)	102938	MUNICIPALITY
OSHAWA CITY HARMONY CR WPCP NO 2 120001857	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	7.500 (34.095)	51469	MUNICIPALITY

REGIONAL MUNICIPALITY OF DURHAM

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (10^3m^3)	POPULATION SERVED	OPERATED BY
PICKERING TOWN YORK-DURHAM WPCP 120001815	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	40.000 (181.840)	84386	MUNICIPALITY
SCUGOG TOWNSHIP PORT PERRY LAGOON 110001257	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT CHLORINATION	LAKE SCUGOG	.700 (3.182)	13087	MUNICIPALITY
UXBRIDGE TOWNSHIP UXBRIDGE WPCP 120000756	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	UXBRIDGE BROOK	.800 (3.637)	3225	MUNICIPALITY
WHITBY TOWN CORBETT CREEK WPCP 120000738	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	8.000 (36.368)	13182	MUNICIPALITY
WHITBY TOWN PRINGLE CREEK WPCP NO 1 120000747	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	PRINGLE CREEK	1.250 (5.683)	2270	MUNICIPALITY
	TOTAL CAPACITY		69.235 (314.742)		

REGIONAL MUNICIPALITY OF HALTON

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
BURLINGTON CITY SKYWAY WPCP 110000070	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	HAMILTON HARBOUR	20.500 (93.193)	120100	MUNICIPALITY
HALTON HILLS TOWN ACTON WPCP + LAGOON 120001023	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	BLACK CREEK	1.000 (4.546)	7478	MUNICIPALITY
HALTON HILLS TOWN GEORGETOWN WPCP 110000294	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	SILVER CREEK	3.000 (13.638)	18123	MUNICIPALITY
MILTON TOWN MILTON WPCP 120001014	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	OAKVILLE CREEK	2.840 (12.911)	28067	MUNICIPALITY
OAKVILLE TOWN SOUTH EAST WPCP 120000988	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	5.000 (22.730)	23273	MUNICIPALITY
OAKVILLE TOWN SOUTH WEST WPCP 120001008	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	10.500 (47.733)	50888	MUNICIPALITY
	TOTAL CAPACITY		42.840 (194.751)		

METROPOLITAN TORONTO

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
METRO TORONTO CITY HIGHLAND CREEK WPCP (SCARBOROUGH) 120000373	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	HIGHLAND CREEK	48.000 (218.208)	310000	MUNICIPALITY
METRO TORONTO CITY HUMBER WPCP (ETOBICOKE) 120000382	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	90.000 (409.140)	540000	MUNICIPALITY
METRO TORONTO CITY MAIN WPCP (TORONTO) 120000391	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	180.000 (818.280)	1200000	MUNICIPALITY
METRO TORONTO CITY NORTH TORONTO WPCP (EAST YORK) 120000384	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	DON RIVER	10.000 (45.480)	170000	MUNICIPALITY
	TOTAL CAPACITY		328.000 (1,491.088)		

REGIONAL MUNICIPALITY OF PEEL

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (10^3m^3)	POPULATION SERVED	OPERATED BY
CALEDON TOWN BOLTON WPCP 120000894	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	HUMBER RIVER	1.000 (4.546)	7939	MUNICIPALITY
MISSISSAUGA CITY CLARKSON WPCP SOUTH-PEEL SYSTEM 110001328	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	24.000 (109.104)	120000	MINISTRY
MISSISSAUGA CITY LAKEVIEW WPCP SOUTH-PEEL SYSTEM 110001284	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	50.000 (227.300)	410000	MINISTRY
	TOTAL CAPACITY		75.000 (340.950)		

REGIONAL MUNICIPALITY OF YORK

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (1000M 3)	POPULATION SERVED	OPERATED BY
EAST GWILLIMBURY TOWNSHIP HOLLAND LANDING LAGOON 120001820	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	HOLLAND RIVER	.300 (1.364)	2200	MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP MOUNT ALBERT WPCP 120001883	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	MOUNT ALBERT CREEK	.150 (.682)	1100	MUNICIPALITY
GEORGINA TOWNSHIP SUTTON WPCP 110001188	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	BLACK RIVER	.450 (2.046)	2650	MUNICIPALITY
NEWMARKET TOWN NEWMARKET WPCP 110000524	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	HOLLAND RIVER	3.000 (13.638)	28234	MUNICIPALITY
VAUGHAN TOWN KLEINBURG WPCP 120000417	EXTENDED AERATION	HUMBER RIVER	.050 (.227)	900	MUNICIPALITY
WHITCHURCH-STOUFFVILLE TOWN STOUFFVILLE WPCP 120000408	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	DUFFIN CREEK	.550 (2.500)	5500	MUNICIPALITY
	TOTAL CAPACITY		4.500 (20.457)		

REGIONAL MUNICIPALITY OF MUSKOKA

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
BRACEBRIDGE (EXTENDED AERATION-1984) TOWN BRACEBRIDGE LAGOON 110000034	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	MUSKOKA RIVER	.454 (2.064)	5215	MUNICIPALITY
GRAVENHURST TOWN GRAVENHURST WPCP (ABLE TO SWITCH PROCESS 120000809	CONVENTIONAL ACTIVATED SLUDGE EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	MUSKOKA LAKE	.870 (3.048)	3725	MUNICIPALITY
HUNTSVILLE TOWN HUNTSVILLE WPCP 110000347	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	MUSKOKA RIVER	1.000 (4.546)	6034	MUNICIPALITY
MUSKOKA LAKES TOWNSHIP BALA WPCP 120000792	COMMUNAL SEPTIC TANK PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT FILTATION	LONG LAKE	.020 (.091)	144	MUNICIPALITY
MUSKOKA LAKES TOWNSHIP PORT CARLING WPCP 110002229	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	INDIAN RIVER	.120 (.546)	714	MUNICIPALITY
	TOTAL CAPACITY		2.264 (10.292)		

CENTRAL REGION

AREA WASTEWATER TREATMENT SYSTEMS

TOTAL AREA WASTEWATER TREATMENT SYSTEMS	TOTAL CAPACITY	
	$1000m^3$	MIGD
THREE	2009.3	442.0

SYSTEM: METRO TORONTO POLLUTION CONTROL SYSTEM

Number of Plants: Four
Operated by: Metro Toronto Department of Works

Number of Municipalities Served: Eight

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	WATERCOURSE
East York Borough - North Toronto WPCP 120000391	Conv. Act. Sludge Phosphorus Removal	10.0 MIGD (45.46 1000M^3)	North York City Toronto City East York Borough	Don River
ETOBICOKE CITY - Humber WPCP 120000382	Conv. Act. Sludge Phosphorus Removal	90.0 MIGD (409.1 1000M^3)	North York City Etobicoke City York City Vaughan Town	Lake Ontario
SCARBOROUGH CITY - Highland Creek WPCP 120000373	Conv. Act. Sludge Phosphorus Removal	48.0 MIGD (218.21 1000M^3)	Scarborough City Markham Town	Highland Creek
TORONTO CITY - Main WPCP 120000391	Conv. Act. Sludge Phosphorus Removal	180.0 MIGD (813.3 1000M^3)	North York City Toronto City East York Borough Scarborough City Markham Town	Lake Ontario

SYSTEM: SOUTH PEEL POLLUTION CONTROL SYSTEM

Number of Plants: Two
Operated by: Ministry of the Environment

Number of Municipalities Served: Three

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	WATERCOURSE
MISSISSAUGA - Clarkson WPCP 110001328	Conv. Act. Sludge Phosphorus Removal	24.0 MIGD (109.1 1000M^3)	Brampton City Mississauga City	Lake Ontario
MISSISSAUGA - Lakeview WPCP 110001284	Conv. Act. Sludge Phosphorus Removal	50.0 MIGD (227.3 1000M^3)	Brampton City Mississauga City Etobicoke City	Lake Ontario

SYSTEM: YORK/DURHAM POLLUTION CONTROL SYSTEM

Number of Plants: One
Operated by: Regional Municipality of Durham

Number of Municipalities Served: Five

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	WATERCOURSE
PICKERING TOWN - York-Durham WPCP 120001915	Conv. Act. Sludge Phosphorus Removal	40.0 MIGD (181.8 1000M^3)	Ajax Town Pickering Town Aurora Town Markham Town Richmond Hill Town	Lake Ontario

Ministry of the Environment
Ontario

Southeastern Region

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REGIONAL OFFICE

KINGSTON
133 Dalton St.
613-549-4000

DISTRICT OFFICES

Belleville
15 Victoria Ave.
613-962-9208

Cornwall
4 Montreal Rd.
613-933-7402

Ottawa
2378 Holly Lane
613-521-3450

Pembroke
1000 MacKay St.
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613-732-3643

Southeastern Region

Ministry of the Environment

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613-732-3643

SOUTHEASTERN REGION SUMMARY

TREATMENT TYPE	<--- NUMBER --->			<--- ** CAPACITY MIGD (10^3 m^3) --->		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
PRIMARY	3	13	16	10.300	112.481	122.781 (555.029)
CONVENTIONAL ACTIVATED SLUDGE	4	2	6	17.125	6.300	23.925 (108.763)
MODIFIED SECONDARY	1	0	1	2.700	.000	2.700 (12.274)
CONTACT STABILIZATION	1	1	2	.300	1.000	1.300 (5.910)
EXTENDED AERATION	10	4	14	1.883	1.303	3.186 (13.574)
HIGH RATE	1	0	1	1.200	.000	1.200 (5.455)
CONVENTIONAL LAGOON CONTINUOUS	0	1	1	.000	1.300	1.300 (5.910)
CONVENTIONAL LAGOON SEASONAL	15	2	17	3.441	.721	4.162 (18.920)
LAGOON AND SPRAY	1	0	1	.074	.000	.074 .336)
AERATED CELL PLUS LAGOON	3	0	3	3.284	.000	3.284 (14.926)
**** TOTALS ****	39	23	62	40.087 (182.296)	123.878 (561.772)	163.882 (744.067)

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY
10^3 m^3 : THOUSANDS OF CUBIC METRES

CONVERSION FACTOR
1 MIGD = 4.546 10^3 m^3

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
ALEXANDRIA TOWN ALEXANDRIA LAGOON (PHOS REM IN JULY 83) 110000848	AERATED CELL PLUS LAGOON CONTINUOUS DISCHARGE PHOSPHORUS REMOVAL-CONTINUOUS	DELISLE R	1.500 (6.819)	3818	MINISTRY
ALFRED VILLAGE ALFRED LAGOON 110001836	CONVENTIONAL LAGOON SEASONAL	RUISSEAU DES AZATIKA	.157 (.714)	1000	MINISTRY
ALMONTE TOWN ALMONTE LAGOON 110000873	AERATED CELL PLUS LAGOON SEASONAL DISCHARGE PHOSPHORUS REMOVAL - BATCH	MISSISSIPPI RIVER	1.200 (5.455)	3837	MINISTRY
ARNPRIOR TOWN ARNPRIOR WPCP 120000821	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	MADAWASKA RIVER	1.500 (6.819)	5500	MUNICIPALITY
BANCROFT VILLAGE BANCROFT WPCP 110001230	EXTENDED AERATION	YORK RIVER	.400 (1.818)	2095	MUNICIPALITY
BARRY'S BAY VILLAGE BARRY'S BAY WPCP 110001884	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	KAMANISKEG LAKE	.273 (1.241)	1413	MINISTRY
BATH VILLAGE BATH WPCP 120000177	EXTENDED AERATION	LAKE ONTARIO	.423 (1.923)	1092	MUNICIPALITY
BELLEVILLE CITY BELLEVILLE WPCP 110000016	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	BAY OF QUINTE	8.000 (36.368)	38500	MINISTRY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3 (1000M))	POPULATION SERVED	OPERATED BY
BROCKVILLE CITY BROCKVILLE WPCP 120000122	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	ST LAWRENCE RIVER	5.625 (25.571)	20160	MUNICIPALITY
CARLETON PLACE TOWN CARLETON PLACE WPCP 110000871	HIGH RATE PHOSPHORUS REMOVAL-CONTINUOUS	MISSISSIPPI RIVER	1.200 (5.455)	5700	MINISTRY
CASSELMAN VILLAGE CASSELMAN LAGOON 110002201	CONVENTIONAL LAGOON SEASONAL	S. NATION RIVER	.300 (1.364)	1480	MINISTRY
CHALK RIVER VILLAGE CHALK RIVER WPCP 110001587	EXTENDED AERATION CONVERTIBLE OPERATING MODE	DUCK CR TO DUCK LAKE	.080 (.364)	986	MINISTRY
CHESTERVILLE VILLAGE CHESTERVILLE LAGOON 110000114	CONVENTIONAL LAGOON SEASONAL	SOUTH NATION RIVER	.220 (1.027)	1407	MINISTRY
COBDEN VILLAGE COBDEN WPCP 120000688	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	MUSKRAT RIVER	.190 (.882)	1036	MUNICIPALITY
CORNWALL CITY CORNWALL WPCP 110000132	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	ST. LAWRENCE R.	8.250 (37.506)	46800	MINISTRY
CORNWALL TOWNSHIP LONG SAULT WPCP 120000131	CONVENTIONAL ACTIVATED SLUDGE	ST. LAWRENCE R	.300 (1.364)	1300	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3 (1000M))	POPULATION SERVED	OPERATED BY
DEEP RIVER TOWN DEEP RIVER WPCP 120000812	PRIMARY	OTTAWA RIVER	.480 (2.182)	4230	MUNICIPALITY
DELORO VILLAGE DELORO WPCP 120000870	COMMUNAL SEPTIC TANK	MOIRA RIVER	.008 (.036)	231	MUNICIPALITY
DESERONTO TOWN DESERONTO WPCP 110000880	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	BAY OF QUINTE	.300 (1.384)	1863	MINISTRY
EGANVILLE VILLAGE EGANVILLE WPCP 110000141	EXTENDED AERATION	BONNECHERE RIVER	.188 (.784)	1218	MINISTRY
ERNESTOWN TOWNSHIP ODESSA WPCP 110002041	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	MILLHAVEN CREEK	.200 (.909)	973	MINISTRY
ERNESTOWN TOWNSHIP AMHERSTVIEW LAGOON 110000186	CONVENTIONAL LAGOON SEASONAL	COLLINS CR. N CHANNEL	.526 (2.391)	6250	MINISTRY
FRANKFORD VILLAGE FRANKFORD WPCP 110000267	CONTACT STABILIZATION PHOSPHORUS REMOVAL-CONTINUOUS	TRENT RIVER	.300 (1.384)	1970	MINISTRY
GANANOQUE SEPARATED TOWN GANANOQUE LAGOON 110000285	CONVENTIONAL LAGOON SEASONAL	STOCKING CR GANANOQUE R	.720 (3.273)	4900	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
GOULBOURN TOWNSHIP MUNSTER LAGOON 120001522	CONVENTIONAL LAGOON SEASONAL SPRAY IRRIGATION	NO DISC.TO SURFACE WATER	.620 (.282)	1300	MUNICIPALITY
GOULBOURN TOWNSHIP RICHMOND LAGOON 110001140	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	JOCK RIVER	.320 (1.455)	2200	MINISTRY
HAGARTY & RICHARDS TOWNSHIP KILLALOE STN. WPCP 110001532	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	BRUDENELL CREEK	.130 (.591)	648	MINISTRY
HAWKESBURY TOWN HAWKESBURY WPCP 110002283	MODIFIED ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	OTTAWA RIVER	2.700 (12.274)	9623	MINISTRY
IROQUOIS VILLAGE IROQUOIS WPCP 120000159	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	ST. LAWRENCE RIVER	1.100 (5.001)	1212	MUNICIPALITY
KEMPTVILLE TOWN KEMPTVILLE WPCP (TERTIARY PROPSED) 120000113	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	KEMPTVILLE CREEK	.500 (2.273)	2750	MUNICIPALITY
KINGSTON TOWNSHIP KINGSTON TWP WPCP 110000365	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	5.500 (25.003)	18500	MINISTRY
KINGSTON CITY KINGSTON WPCP 120001050	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	ST LAWRENCE RIVER	13.500 (61.371)	67000	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3 (1000M))	POPULATION SERVED	OPERATED BY
L'ORIGNAL VILLAGE L'ORIGNAL WPCP 110001701	EXTENDED AERATION	OTTAWA RIVER	.210 (.955)	1273	MINISTRY
LANCASTER VILLAGE LANCASTER LAGOON 110001925	CONVENTIONAL LAGOON SEASONAL	FINNEY CREEK	.130 (.591)	600	MINISTRY
LEEDS & LANSDOWNE TOWNSHIP LANSDOWNE LAGOON 110001924	LAGOON AND SPRAY	NO DISC.TO SURFACE WATER	.074 (.336)	550	MINISTRY
MADOC VILLAGE MADOC LAGOON 110001051	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	MOIRA LAKE	.300 (1.364)	850	MINISTRY
MARMORA VILLAGE MARMORA WPCP 110001883	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS .	CROWE RIVER	.191 (.868)	1067	MINISTRY
MERRICKVILLE VILLAGE MERRICKVILLE WPCP 110001729	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	RIDEAU RIVER	.110 (.500)	718	MINISTRY
MORRISBURG VILLAGE MORRISBURG WPCP 120000185	PRIMARY CONVENTIONAL LAGOON CONTINUOUS	ST. LAWRENCE RIVER	.500 (2.273)	2337	MUNICIPALITY
NAPANEE TOWN NAPANEE WPCP 120000186	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	NAPANEE RIVER	2.000 (9.092)	7551	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
NEPEAN CITY WATTS CREEK WPCP 120000701	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	WATTS CREEK	6.500 (29.548)	47500	MUNICIPALITY
OSNABRUCK TOWNSHIP INGLESIDE WPCP 120000140	PRIMARY	ST. LAWRENCE RIVER	.348 (1.573)	1500	MUNICIPALITY
OTTAWA CITY GREEN CREEK WPCP 120000729	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	OTTAWA RIVER	80.000 (363.680)	480000	MUNICIPALITY
PEMBROKE CITY PEMBROKE WPCP 120000830	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	OTTAWA RIVER	2.500 (11.365)	17000	MUNICIPALITY
PERTH TOWN PERTH LAGOON 120000881	CONVENTIONAL LAGOON CONTINUOUS PHOSPHORUS REMOVAL-CONTINUOUS	TAY RIVER	1.300 (5.910)	8648	MUNICIPALITY
PETAWAWA VILLAGE PETAWAWA WPCP 120000587	PRIMARY	OTTAWA RIVER	.800 (3.637)	4800	MINISTRY
PICTON TOWN PICTON WPCP 120000887	CONTACT STABILIZATION PHOSPHORUS REMOVAL-CONTINUOUS	PICTON BAY	1.000 (4.548)	4500	MUNICIPALITY
PITTSBURG TOWNSHIP CANA WPCP 110001505	EXTENDED AERATION	CATARAQUI RIVER	.021 (.095)	210	MINISTRY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
PLANTAGENET VILLAGE PLANTAGENET LAGOON 110001621	CONVENTIONAL LAGOON SEASONAL	SOUTH NATION RIVER	.130 (.591)	876	MINISTRY
PRESCOTT SEPARATED TOWN PRESCOTT-EDWARDSBURGH WPCP 110001122	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	ST. LAWRENCE RIVER	1.250 (5.683)	4595	MINISTRY
RENFREW TOWN RENFREW WPCP 120000803	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	BONNECHERE RIVER	1.900 (8.637)	8200	MUNICIPALITY
ROCKLAND TOWN ROCKLAND LAGOON 110001159	AERATED CELL PLUS LAGOON	OTTAWA RIVER	.564 (2.564)	2978	MINISTRY
RUSSELL TOWNSHIP RUSSELL LAGOON 110001514	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	CASTOR RIVER	.220 (1.000)	1400	MINISTRY
SIDNEY TOWNSHIP BATAWA WPCP 110000688	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	TRENT RIVER	.125 (.568)	300	MINISTRY
SMITHS FALLS SEPARATED TOWN SMITHS FALLS WPCP 120000890	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	RIDEAU RIVER	2.500 (11.365)	11000	MUNICIPALITY
ST. ISIDORE DE PRESCOTT VILLAGE ST.ISIDORE LAGOON 110002210	CONVENTIONAL LAGOON SEASONAL	SCOTCH RIVER	.144 (.655)	734	MINISTRY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
STAFFORD TOWNSHIP STAFFORD COLLECTION SYSTEM 110002274	COLLECTION SYSTEM ONLY TREATMENT AT SHARED FACILITY	(PEMBROKE WPCP)	.000 (.000)	2225	MINISTRY
STIRLING VILLAGE STIRLING LAGOON 110000686	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	RAWDON CREEK	.250 (1.137)	1639	MINISTRY
TRENTON CITY TRENTON WPCP 110000775	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	BAY OF QUINTE	3.500 (15.911)	15348	MINISTRY
TWEED VILLAGE TWEED LAGOON 120000952	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	MOIRA RIVER	.266 (1.209)	1584	MINISTRY
VANKLEEK HILL TOWN VANKLEEK HILL LAGOON 110001658	CONVENTIONAL LAGOON SEASONAL	LITTLE RIDEAU CREEK	.200 (.909)	1711	MINISTRY
WELLINGTON VILLAGE WELLINGTON WPCP 120003165	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	.330 (1.500)	1077	MUNICIPALITY
WESTPORT VILLAGE WESTPORT LAGOON 110001550	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	UPPER RIDEAU LAKE	.072 (.327)	614	MINISTRY
WINCHESTER VILLAGE WINCHESTER LAGOON 110001202	CONVENTIONAL LAGOON SEASONAL	CASTOR RIVER	.200 (.909)	1950	MINISTRY

SOUTHEASTERN REGION

WASTEWATER TREATMENT

REGIONAL MUNICIPALITIES

REGIONAL MUNICIPALITIES	CAPACITY	
	1000m^3	MIGD
OTTAWA - CARLETON	395.0	87.4

REGIONAL MUNICIPALITY OF OTTAWA-CARLETON

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
GOULBOURN TOWNSHIP MUNSTER LAGOON 120001522	CONVENTIONAL LAGOON SEASONAL SPRAY IRRIGATION	NO DISC.TO SURFACE WATER	.620 (.282)	1700	MUNICIPALITY
GOULBOURN (RICHMOND) TOWNSHIP RICHMOND LAGOON 110001140	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL- BATCH	JOCK RIVER	.320 (1.455)	2200	MINISTRY
NEPEAN CITY WATTS CREEK WPCP 120000701	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	WATTS CREEK	6.500 (29.549)	45000	MUNICIPALITY
OTTAWA CITY GREEN CREEK WPCP 120000729	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	OTTAWA RIVER	80.000 (363.680)	400000	MUNICIPALITY
	TOTAL CAPACITY		87.440 (394.966)		

SOUTHEASTERN REGION

AREA WASTEWATER TREATMENT SYSTEMS

TOTAL AREA WASTEWATER TREATMENT SYSTEMS	TOTAL CAPACITY	
	$1000m^3$	MIGD
ONE	393.2	86.5

SYSTEM: OTTAWA-CARLETON POLLUTION CONTROL SYSTEM

Number of Plants: Two
Operated by: Regional Municipality of Ottawa-Carleton

Number of Municipalities Served: Seven

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	WATERCOURSE
NEPEAN CITY - Watts Creek WPCP 120000701	Conv. Act. Sludge Phosphorus Removal	6.5 MIGD (29.55 1000M^3)	Nepean City Ottawa City Goulbourn Twp.	Watts Creek
OTTAWA CITY - Green Creek WPCP 120000729	Primary Phosphorus Removal	80.0 MIGD (363.68 1000M^3)	Gloucester City Nepean City Ottawa City Vanier City Rockcliffe Park Village Cumberland Twp.	Ottawa River

Ministry of the Environment
Ontario

Northeastern Region

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199 Larch St.
705-675-4501

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1500 Fisher St.
705-476-1001

Sault Ste. Marie
445 Albert St. E.
705-949-4640

Timmins
83 Algonquin Blvd. W.
705-264-9474

Parry Sound
74 Church St.
705-746-2139

Northeastern Region

Ministry of the Environment
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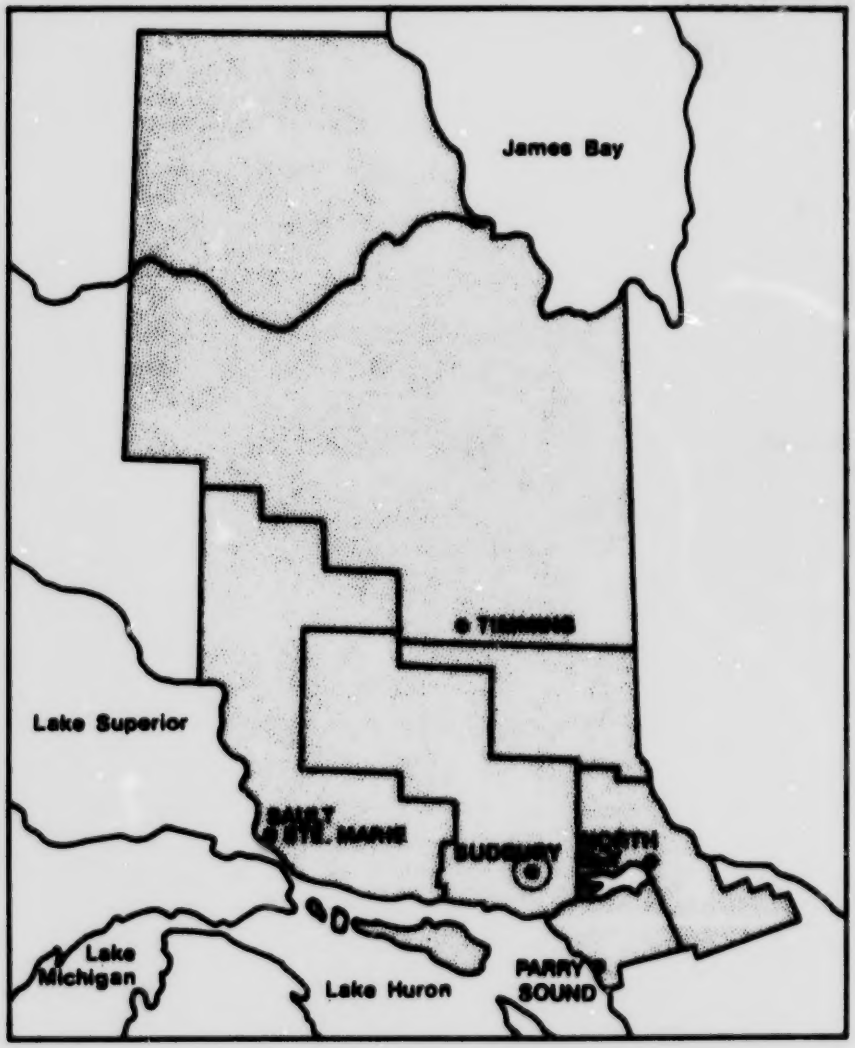

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DISTRICT OFFICES

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Sault Ste. Marie
445 Albert St. E.
705-949-4640

Timmins
83 Algonquin Blvd. W.
705-264-9474

Parry Sound
74 Church St.
705-746-2139

NORTHEASTERN REGION SUMMARY

TREATMENT TYPE	<--- NUMBER --->			<--- ** CAPACITY MIGD ($1000M^3$) --->		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
PRIMARY	2	3	5	12.660	8.030	20.690 (94.067)
CONVENTIONAL ACTIVATED SLUDGE	3	3	6	10.450	5.504	15.954 (72.527)
CONTACT STABILIZATION	3	0	3	4.250	.000	4.250 (19.321)
EXTENDED AERATION	7	9	16	1.902	18.250	20.152 (91.611)
TRICKLING FILTER	0	1	1	.000	.100	.100 (.455)
HIGH RATE	1	0	1	2.000	.000	2.000 (9.092)
OXIDATION DITCH	0	1	1	.000	.350	.350 (1.591)
CONVENTIONAL LAGOON CONTINUOUS	4	2	6	.891	.417	1.308 (5.946)
CONVENTIONAL LAGOON SEASONAL	20	4	24	2.802	.762	3.564 (16.202)
AERATED CELL PLUS LAGOON	1	1	2	.500	.088	.588 (2.674)
EXFILTRATION LAGOON	1	1	2	.240	.340	.580 (2.637)
**** TOTALS ****	42	25	67	35.695 (162.268)	33.839 (153.832)	69.534 (316.102)

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY
$1000M^3$:THOUSANDS OF CUBIC METRES

CONVERSION FACTOR
1 MGD = 4.546 $1000M^3$

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3) (1000M)	POPULATION SERVED	OPERATED BY
ARMSTRONG TOWNSHIP EARLTON LAGOON 120000042	CONVENTIONAL LAGOON SEASONAL	EVANTUREL CREEK	.080 (.364)	1452	MUNICIPALITY
ASSIGINACK TOWNSHIP MANITOWANING LAGOON 110001406	CONVENTIONAL LAGOON SEASONAL	LAKE HURON	.055 (.250)	440	MINISTRY
BLACK R MATHESON TOWNSHIP HOLTYRE WPCP 120000328	COMMUNAL SEPTIC TANK	BLACK RIVER	.055 (.250)	500	MUNICIPALITY
BLACK R MATHESON TOWNSHIP MATHESON WPCP 110000025	EXTENDED AERATION	BLACK RIVER	.230 (1.048)	920	MINISTRY
BLACK R MATHESON TOWNSHIP RAMORE LAGOON 110001104	CONVENTIONAL LAGOON CONTINUOUS	BLACK RIVER	.027 (.123)	320	MINISTRY
BLACK R. MATHESON TOWNSHIP VAL GAGNE LAGOON 120001559	CONVENTIONAL LAGOON CONTINUOUS	CREEK TO BLACK RIVER	.027 (.123)	300	MINISTRY
BLIND RIVER TOWN BLIND RIVER WPCP 110002418	EXTENDED AERATION	LAKE HURON	.770 (3.500)	3200	MINISTRY
BRUCE MINES TOWN BRUCE MINES LAGOON 110001758	CONVENTIONAL LAGOON SEASONAL	ST.JOSEPH CHL.TO L.HURON	.063 (.286)	525	MINISTRY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
BURKS FALLS VILLAGE BURKS FALLS LAGOON 110001426	CONVENTIONAL LAGOON SEASONAL	MAGNETAWAN RIVER	.150 (.682)	500	MINISTRY
CALDWELL TOWNSHIP VERNER LAGOON 110001872	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	VEUVE RIVER	.105 (.477)	1116	MINISTRY
CAPREOL TOWN CAPREOL LAGOON 120001210	EXFILTRATION LAGOON	NO DISC.TO SURFACE WATER	.340 (1.546)	2949	MUNICIPALITY
CASIMIR J.A. TOWNSHIP ST.CHARLES LAGOON 110002256	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	MCPHERSON CREEK W.BRANCH	.120 (.546)	575	MINISTRY
CHAPLEAU TOWNSHIP CHAPLEAU WPCP 120001167	PRIMARY	CHAPLEAU LAKE	.400 (1.818)	2800	MUNICIPALITY
COCHRANE TOWN COCHRANE WPCP 120000388	EXTENDED AERATION EFFLUENT POLISHING POLISHING LAGOON	LILLABELLE LAKE	.750 (3.410)	4800	MUNICIPALITY
COSBY M.M. TOWNSHIP NOELVILLE LAGOON 110002425	CONVENTIONAL LAGOON SEASONAL	WOLF RIVER	.175 (.796)	551	MINISTRY
ELLIOT LAKE TOWN ESTEN LAKE WPCP 120001121	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	ESTEN LAKE	2.880 (13.002)	8000	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 m³)	POPULATION SERVED	OPERATED BY
ENGLEHART TOWN ENGLEHART LAGOON 110000187	CONVENTIONAL LAGOON CONTINUOUS	ENGLEHART RIVER	.200 (.908)	1730	MINISTRY
ESPANOLA TOWN ESPANOLA WPCP 110000212	PRIMARY	SPANISH RIVER	.660 (3.000)	5200	MINISTRY
FAUQUIER TOWNSHIP MOONBEAM LAGOON 110000230	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	CREEK SYS TO GROUNDHOG R	.143 (.650)	1000	MINISTRY
GORE BAY TOWN GORE BAY LAGOON 110002813	CONVENTIONAL LAGOON SEASONAL	LAKE HURON	.139 (.632)	780	MINISTRY
HAILEYBURY TOWN HAILEYBURY WPCP 110000310	CONTACT STABILIZATION	LAKE TIMISKAMING	.350 (1.591)	3240	MINISTRY
HAILEYBURY TOWN NORTH COBALT LAGOON 110001382	CONVENTIONAL LAGOON SEASONAL	FARR CREEK	.075 (.341)	800	MINISTRY
HEARST TOWN HEARST LAGOON 110000338	AERATED CELL PLUS LAGOON CONTINUOUS DISCHARGE	MATTAWISHKWIA RIVER	.500 (2.273)	5270	MINISTRY
IROQUOIS FALLS TOWN IROQUOIS FALLS WPCP 110002121	CONTACT STABILIZATION	ABITIBI RIVER	.900 (4.091)	5575	MINISTRY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3 (1000M))	POPULATION SERVED	OPERATED BY
KAPUSKASING TOWN BRUNETVILLE LAGOON 120003012	CONVENTIONAL LAGOON CONTINUOUS	SLOUGH CREEK	.400 (1.818)	2100	MUNICIPALITY
KAPUSKASING TOWN KAPUSKASING WPCP 110003004	HIGH RATE	KAPUSKASING RIVER	2.000 (9.092)	12000	MINISTRY
KIRKLAND LAKE TOWN CHAPUT HUGHES 120001839	COMMUNAL SEPTIC TANK	AMIKOUGAMI CREEK	.050 (.227)	450	MUNICIPALITY
KIRKLAND LAKE TOWN KIRKLAND LAKE WPCP 120000015	CONTACT STABILIZATION PHOSPHORUS REMOVAL-CONTINUOUS	MURDOCK CREEK	3.000 (13.638)	12500	MINISTRY
KIRKLAND LAKE TOWN SWASTIKA 120001848	COMMUNAL SEPTIC TANK	BLANCHE RIVER	.065 (.295)	650	MUNICIPALITY
LARDER LAKE TOWNSHIP LARDER LAKE TOWNSITE WPCP 120000033	PRIMARY	LARDER LAKE	.130 (.591)	1100	MUNICIPALITY
LATCHFORD TOWN LATCHFORD WPCP 110001774	EXTENDED AERATION	MONTREAL RIVER	.075 (.341)	427	MINISTRY
LITTLE CURRENT TOWN LITTLE CURRENT LAGOON 110000382	CONVENTIONAL LAGOON SEASONAL	DITCH TO GEORGIAN BAY	.204 (.927)	1500	MINISTRY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
MATTAWA TOWN MATTAWA LAGOON 110000436	EXFILTRATION LAGOON	NO DISC.TO SURFACE WATER	.240 (1.091)	2686	MINISTRY
MCGARRY TOWNSHIP VIRGINIATOWN AND KEARNS WPCP 120000024	COMMUNAL SEPTIC TANK	TAILING PD TO LARDER L.	.160 (.727)	1000	MUNICIPALITY
MICHIPICOTEN (WAWA) TOWNSHIP WAWA LAGOON 110000464	CONVENTIONAL LAGOON SEASONAL	MAGPIE RIVER	.400 (1.818)	3800	MINISTRY
MOOSONEE DEVELOPMENT AREA BOARD MOOSONEE WPCP (OLD TOWNSITE) 110001060	EXTENDED AERATION	STORE CK TO MOOSE RIVER	.112 (.509)	1300	MINISTRY
MOOSONEE (NORTH) DEVELOPMENT AREA BOARD MOOSONEE WPCP (NORTH) 120000319	EXTENDED AERATION	MOOSE RIVER	.055 (.250)	1500	MINISTRY
NEW LISKEARD TOWN NEW LISKEARD LAGOON 110000515	CONVENTIONAL LAGOON CONTINUOUS	WABI RIVER	.637 (2.896)	6513	MINISTRY
NICKEL CENTRE TOWN CONISTON WPCP 110000123	OXIDATION DITCH CONVENTIONAL ACTIVATED SLUDGE	CONISTON CREEK	.350 (1.591)	2790	MUNICIPALITY
NICKEL CENTRE TOWN FALCONBRIDGE TOWNSITE WPCP 120001158	TRICKLING FILTER	BOUCHER LAKE	.100 (.455)	636	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
NICKEL CENTRE TOWN WAHNAPITAE LAGOON 120003156	CONVENTIONAL LAGOON SEASONAL	WANAPITEI RIVER	.293 (1.332)	982	MUNICIPALITY
NORTH BAY CITY NORTH BAY WPCP 110000533	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE NIPISSING	8.000 (36.368)	48000	MINISTRY
NORTH HIMSWORTH TOWNSHIP CALLANDER LAGOON 110001747	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	DITCH TO CALLANDER BAY	.105 (.477)	1220	MINISTRY
ONAPING FALLS TOWN DOWLING WPCP 110003077	EXTENDED AERATION	ONAPING RIVER	.660 (3.000)	2991	MUNICIPALITY
ONAPING FALLS TOWN LEVACK WPCP 120001194	EXTENDED AERATION	ONAPING RIVER	.440 (2.000)	2008	MUNICIPALITY
ONAPING FALLS TOWN ONAPING WPCP 120001148	CONVENTIONAL ACTIVATED SLUDGE	SWAMP TO ONAPING RIVER	.144 (.655)	964	MUNICIPALITY
OPASATIKA TOWNSHIP OPASATIKA LAGOON 120000858	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	OPASATIKA RIVER	.088 (.400)	600	MUNICIPALITY
OWENS W I TOWNSHIP VAL-RITA LAGOON 110002318	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	CREEK TO KAPUSKASING R.	.125 (.568)	580	MINISTRY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (m^3/d (1000M))	POPULATION SERVED	OPERATED BY
PARRY SOUND TOWN PARRY SOUND WPCP 110000580	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	MC CURRY LAKE	1.450 (6.592)	5500	MINISTRY
POWASSAN TOWN POWASSAN LAGOON 110000613	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH REGULATED DISCHARGE VOLUME	GENESEE CREEK	.070 (.318)	1100	MINISTRY
RATTER&DUNNETT TOWNSHIP WARREN LAGOON 110001918	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	VEUVE RIVER	.150 (.682)	612	MINISTRY
RAYSIDE-BALFOUR TOWN AZILDA WPCP 110001783	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	WHITSON CREEK	.625 (2.841)	4373	MUNICIPALITY
RAYSIDE-BALFOUR TOWN CHELMSFORD LAGOON 120001176	CONVENTIONAL LAGOON SEASONAL	MCKENZIE CREEK	.300 (1.364)	2800	MUNICIPALITY
RAYSIDE-BALFOUR TOWN CHELMSFORD WPCP PLANT2 120001568	EXTENDED AERATION CONTACT STABILIZATION	WHITSON CREEK	.675 (3.069)	4934	MUNICIPALITY
SAULT STE MARIE CITY SAULT STE.MARIE WPCP 110000640	PRIMARY	ST. MARY'S RIVER	12.000 (54.552)	75000	MINISTRY
SHACKLETON&MACHIN TOWNSHIP FAUQUIER LAGOON 110001792	CONVENTIONAL LAGOON SEASONAL	GROUNDHOG RIVER	.060 (.273)	650	MINISTRY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
SMOOTH ROCK FALLS TOWN SMOOTH ROCK FALLS WPCP 110002130	EXTENDED AERATION	MATTAGAMI RIVER	.360 (1.637)	2251	MINISTRY
STURGEON FALLS TOWN STURGEON FALLS WPCP 110001435	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	STURGEON RIVER	1.000 (4.546)	6040	MINISTRY
SUDBURY CITY SUDBURY WPCP 110000711	EXTENDED AERATION	JUNCTION CREEK	11.250 (51.143)	95000	MUNICIPALITY
SUNDRIDGE VILLAGE SUNRIDGE LAGOON 110001981	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	BERNARD CREEK	.144 (.655)	740	MINISTRY
TEMAGAMI TOWNSHIP NORTH GOWARD LAGOON 120000783	AERATED CELL PLUS LAGOON	NET LAKE	.086 (.391)	350	MUNICIPALITY
TEMAGAMI TOWNSHIP TEMAGAMI LAGOON 110002327	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	SNAKE ISLAND LAKE	.060 (.273)	440	MINISTRY
THESSALON TOWN THESSALON LAGOON 110002434	CONVENTIONAL LAGOON SEASONAL	THESSALON RIVER	.359 (1.632)	1600	MINISTRY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
TIMMINS CITY BOB'S LAKE LAGOON 120000275	CONVENTIONAL LAGOON CONTINUOUS	BOB'S CK TO PORCUPINE L.	.017 (.077)	170	MUNICIPALITY
TIMMINS CITY MATTAGAMI WPCP 110000766	PRIMARY	MATTAGAMI RIVER	7.500 (34.095)	33000	MUNICIPALITY
TIMMINS CITY WHITNEY & TISDALE WPCP 110001381	EXTENDED AERATION	PORCUPINE RIVER	1.500 (6.819)	7300	MUNICIPALITY
VALLEY EAST TOWN HANNER, VAL-CARON, VAL-THERESE WPCP 110001541	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	VERMILION RIVER	2.500 (11.365)	17337	MUNICIPALITY
WALDEN TOWN LIVELY WPCP 120001165	EXTENDED AERATION	MEATBIRD CREEK	.350 (1.591)	3669	MUNICIPALITY
WALDEN TOWN NIKKOLA WPCP 120001531	EXTENDED AERATION	JUNCTION CREEK	2.000 (9.092)	1600	MUNICIPALITY
WEBBWOOD TOWN WEBBWOOD LAGOON 110001881	CONVENTIONAL LAGOON SEASONAL	GOUGH CREEK	.100 (.455)	460	MINISTRY
WICKSTEED TOWNSHIP HORNEPAYNE WPCP 110001952	EXTENDED AERATION	JACKFISH RIVER	.300 (1.364)	1675	MINISTRY

NORTHEASTERN REGION

WASTEWATER TREATMENT

REGIONAL MUNICIPALITIES

REGIONAL MUNICIPALITIES	CAPACITY	
	$1000m^3$	MIGD
SUDBURY	91.0	20.0

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
CAPREOL TOWN CAPREOL LAGOON 120001210	EXFILTRATION LAGOON	NO DISC.TO SURFACE WATER	.340 (1.546)	2949	MUNICIPALITY
NICKEL CENTRE TOWN CONISTON WPCP 110000123	OXIDATION DITCH CONVENTIONAL ACTIVATED SLUDGE	CONISTON CREEK	.350 (1.591)	2790	MUNICIPALITY
NICKEL CENTRE TOWN FALCONBRIDGE TOWNSITE WPCP 120001158	TRICKLING FILTER	BOUCHER LAKE	.100 (.455)	836	MUNICIPALITY
NICKEL CENTRE TOWN WAHNAPITAE LAGOON 120003158	CONVENTIONAL LAGOON SEASONAL	WANAPITEI RIVER	.293 (1.332)	982	MUNICIPALITY
ONAPING FALLS TOWN DOWLING WPCP 110003077	EXTENDED AERATION	ONAPING RIVER	.660 (3.000)	2991	MUNICIPALITY
ONAPING FALLS TOWN LEVACK WPCP 120001194	EXTENDED AERATION	ONAPING RIVER	.440 (2.000)	2008	MUNICIPALITY
ONAPING FALLS TOWN ONAPING WPCP 120001149	CONVENTIONAL ACTIVATED SLUDGE	SWAMP TO ONAPING RIVER	.144 (.655)	964	MUNICIPALITY
RAYSIDE-BALFOUR TOWN AZILDA WPCP 110001783	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	WHITSON CREEK	.625 (2.841)	4373	MUNICIPALITY

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
RAYSIDE-BALFOUR TOWN CHELMSFORD LAGOON 120001178	CONVENTIONAL LAGOON SEASONAL	MCKENZIE CREEK	.300 (1.364)	2800	MUNICIPALITY
RAYSIDE-BALFOUR TOWN CHELMSFORD WPCP PLANT2 120001568	EXTENDED AERATION CONTACT STABILIZATION	WHITSON CREEK	.675 (3.069)	4934	MUNICIPALITY
SUDBURY CITY SUDBURY WPCP 110000711	EXTENDED AERATION	JUNCTION CREEK	11.250 (51.143)	95000	MUNICIPALITY
VALLEY EAST TOWN HANNER, VAL-CARON, VAL-THERESE WPCP 110001541	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	VERMILION RIVER	2.500 (11.365)	17337	MUNICIPALITY
WALDEN TOWN LIVELY WPCP 120001185	EXTENDED AERATION	MEATBIRD CREEK	.350 (1.591)	3669	MUNICIPALITY
WALDEN TOWN NIKKOLA WPCP 120001531	EXTENDED AERATION	JUNCTION CREEK	2.000 (9.092)	1600	MUNICIPALITY
	TOTAL CAPACITY		20.027 (91.043)		

Ministry of the Environment
Ontario

Northwestern Region

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435 James St. S.
P.O. Box 5000
807-475-1205

DISTRICT OFFICE
Kenora
808 Robertson St.
807-468-5578

Northwestern Region

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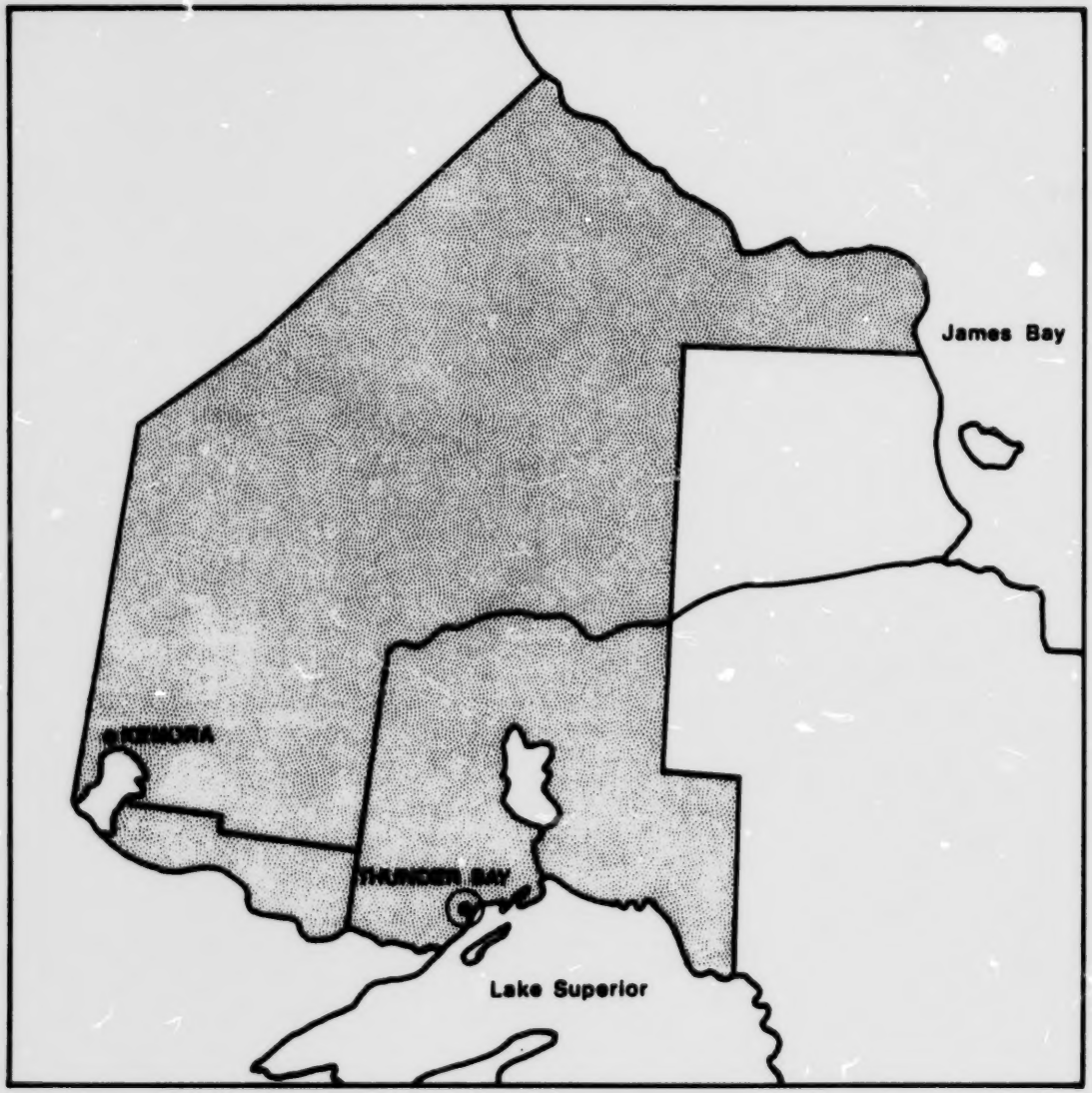
Ministry of the Environment
Ontario



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NORTHWESTERN REGION SUMMARY

TREATMENT TYPE	<--- NUMBER --->			<--- ** CAPACITY MIGD ($1000M^3$) --->		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
PRIMARY	1	3	4	2.000	24.640	26.640 (121.105)
CONVENTIONAL ACTIVATED SLUDGE	0	1	1	.000	.500	.500 (2.273)
CONTACT STABILIZATION	1	2	3	.250	6.500	6.750 (30.686)
EXTENDED AERATION	10	1	11	4.850	.120	4.970 (22.594)
CONVENTIONAL LAGOON CONTINUOUS	0	1	1	.000	.300	.300 (1.364)
CONVENTIONAL LAGOON SEASONAL	2	0	2	.120	.000	.120 (.546)
EXFILTRATION LAGOON	1	0	1	.300	.000	.300 (1.364)
**** TOTALS ****	15	8	23	7.520 (34.186)	32.060 (145.745)	39.580 (179.931)

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY
$1000M^3$:THOUSANDS OF CUBIC METRES

CONVERSION FACTOR
1 MGD = 4.546 $1000M^3$

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
ATIKOKAN TOWNSHIP ATIKOKAN WPCP 110001523	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	ATIKOKAN RIVER	.898 (4.082)	4700	MINISTRY
ATWOOD TOWNSHIP RAINY RIVER LAGOON 110002282	CONVENTIONAL LAGOON SEASONAL	RAINY RIVER	.060 (.273)	985	MINISTRY
BAIRD TOWNSHIP MADSEN COMMUNITY WPCP 110002383	COMMUNAL SEPTIC TANK	RED LAKE	.060 (.273)	300	MINISTRY
BALMERTOWN TOWNSHIP BALMERTOWN WPCP 110003281	EXTENDED AERATION	BALMER CREEK	.270 (1.227)	1300	MINISTRY
BALMERTOWN IMPROVEMENT DISTRICT COCHENOUR COMMUNITY WPCP 120000195	COMMUNAL SEPTIC TANK	RED LAKE	.030 (.136)	750	MUNICIPALITY
BEARDMORE TOWNSHIP BEARDMORE LAGOON 110002308	EXFILTRATION LAGOON	NO DISC.TO SURFACE WATER	.300 (1.364)	625	MINISTRY
DRYDEN TOWN DRYDEN WPCP 120000248	CONTACT STABILIZATION	WABIGOON RIVER	1.500 (6.819)	6900	MUNICIPALITY
EAR FALLS TOWNSHIP EAR FALLS WPCP 110001008	EXTENDED AERATION CONVERTIBLE OPERATING MODE	ENGLISH RIVER	.630 (2.864)	1900	MINISTRY

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
EMO TOWNSHIP EMO LAGOON 110001015	CONVENTIONAL LAGOON SEASONAL	RAINY RIVER	.060 (.273)	730	MINISTRY
FORT FRANCES TOWN FORT FRANCES WPCP 110000258	PRIMARY	RAINY RIVER	2.000 (9.092)	8800	MINISTRY
GERALDTON TOWN GERALDTON WPCP 110001649	EXTENDED AERATION CONVERTIBLE OPERATING MODE	LAKE KENOGAMISIS	.400 (1.818)	2901	MINISTRY
IGNACE TOWNSHIP IGNACE WPCP 110001355	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	AGIMAC CREEK	.558 (2.537)	2285	MINISTRY
KENORA TOWN KENORA WPCP 120000239	CONTACT STABILIZATION	WINNIPEG RIVER	5.000 (22.730)	11000	MUNICIPALITY
LONGLAC TOWNSHIP LONGLAC WPCP 110001042	EXTENDED AERATION	SUICIDE RIVER	.540 (2.455)	2329	MINISTRY
MANITOUWADGE TOWNSHIP MANITOUWADGE WPCP 120000480	COMMUNAL SEPTIC TANK	RUDDER LAKE	.400 (1.818)	3084	MUNICIPALITY
MARATHON TOWNSHIP MARATHON WPCP 120000471	EXTENDED AERATION	LAKE SUPERIOR	.437 (1.987)	2317	MINISTRY

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
NAKINA TOWNSHIP NAKINA WPCP 110002308	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	BALKAM CREEK	.375 (1.708)	976	MINISTRY
NIPIGON TOWNSHIP NIPIGON WPCP 120000514	PRIMARY	NIPIGON RIVER	.360 (1.637)	2466	MUNICIPALITY
PICKLE LAKE TOWNSHIP PICKLE LAKE WPCP 110002185	EXTENDED AERATION	KAWINOGANS RIVER	.200 (.909)	400	MINISTRY
RED LAKE TOWNSHIP RED LAKE WPCP 110001131	EXTENDED AERATION	HOWEY BAY	.542 (2.464)	1945	MINISTRY
RED ROCK TOWNSHIP RED ROCK WPCP 120001817	PRIMARY	NIPIGON BAY	.280 (1.273)	1136	MUNICIPALITY
SCHREIBER TOWNSHIP SCHREIBER WPCP 110002112	CONTACT STABILIZATION	CREEK TO L.SUPERIOR	.250 (1.137)	1865	MINISTRY
SIOUX LOOKOUT TOWN SIOUX LOOKOUT WPCP 120000220	CONVENTIONAL ACTIVATED SLUDGE	PELICAN LAKE	.500 (2.273)	3008	MUNICIPALITY
TERRACE BAY TOWNSHIP TERRACE BAY LAGOON 120000499	CONVENTIONAL LAGOON CONTINUOUS EXFILTRATION LAGOON	NO DISC.TO SURFACE WATER	.300 (1.364)	2000	MUNICIPALITY

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
TERRACE BAY TOWNSHIP TERRACE BAY WPCP 120003030	EXTENDED AERATION EXFILTRATION LAGOON	NO DISC TO SURFACE WATER	.120 (.548)	500	MUNICIPALITY
THUNDER BAY CITY THUNDER BAY WPCP 120004605	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	KAMINISTIKWIA RIVER	24.000 (109.104)	101527	MUNICIPALITY

MUNICIPAL WATER

PART II

PART II - MUNICIPAL WATER TREATMENT

Water is one of Ontario's most abundant natural resources. When used for human consumption, however, it must be chemically and bacteriologically safe. Aesthetic considerations such as temperature, taste, odour, colour and turbidity, are also important in achieving acceptable drinking water. The raw water quality and the intended use of the water supply dictate the degree and type of treatment necessary.

Municipal water supplies are obtained from two main sources: Groundwater, which includes both deep and shallow wells; and Surfacewater, which includes rivers, lakes and reservoirs.

Groundwater is characteristically cool and sustains only slight temperature variations. Generally it requires little treatment to meet the quality requirements for a drinking water supply and is often the first to be investigated as a source. Treatment is only required when analyses indicate that disease organisms may be present or when a potential danger of contamination exists. Disinfection by chlorination is then usually used. Quality in terms of hardness and/or excessive iron are other groundwater quality concerns. Various treatment methods such as ion exchange and/or sequestering are used to combat these problems.

Because groundwater cannot be extracted in sufficient quantities to meet the needs of the rapidly expanding communities, the majority of municipalities in Ontario rely on surface water sources. These waters, affected by pollution and eutrophication, must be treated to provide a safe potable supply acceptable for municipal drinking water requirements. For example, all surface waters contain bacteria; therefore, disinfection by chlorination is necessary to remove pathogenic (disease-producing) bacteria from municipal drinking water supplies. Colour, turbidity, taste and odour, all physical characteristics of raw water, are caused by finely suspended particles and dissolved organic matter that are usually present to some degree in all surface waters. These and other concerns are dealt with by various processes and equipment, some or all of which may be used in a plant depending on the quality of the source of supply. The following information outlines some of the basic water treatment processes.

Screening (Physical Treatment)

The raw (untreated) water is passed through coarse and fine screens and/or microstrainers to remove larger particles and algae.

Disinfection by Chlorination (Chemical Treatment)

Chlorination is usually applied at the beginning (Pre-chlorination) and at the end (Post-chlorination) of the treatment process. Pre-chlorination provides disinfection of the raw water; furthermore, along with active carbon, it can be used to remove taste and odour producing compounds. Post-chlorination establishes a chlorine residual in the treated water ensuring that any remaining disease-producing organisms are killed before delivery to the consumer or storage facility.

Colour, Turbidity and Bacteria Removal by Coagulation and Flocculation (Chemical Treatment)

Chemical coagulants such as aluminum or iron salts are added and thoroughly mixed with the raw water. After a short period, finely divided, suspended particles coagulate and form gelatinous precipitates. These precipitates are stirred slowly and build up into larger 'flocs' or clumps which finally become heavy enough to settle out.

Sedimentation (Physical Treatment)

Following coagulation and flocculation, the treated water undergoes a quiescent period in a settling basin where the floc is removed through gravity settling. The water is relatively clear after this procedure and the settled material is removed for disposal.

Turbidity and Bacteria Removal by Filtration (Physical Treatment)

After settling, filtration occurs. During this process, the remaining suspended particles are removed by passing the water through a porous filter media such as sand, anthrafilt or a combination of both. These particles are trapped in the media and the filtered water is collected in an underdrain system. The impurities trapped in the filter media are removed by reversing the flow in the filter (backwashing). In some instances, where the turbidity of the raw water is low, direct filtration can occur without the need for sedimentation.

Fluoridation (Chemical Treatment)

Municipalities by by-law may wish to operate a fluoridation system in the water treatment plant. Fluoride used in the drinking water helps prevent dental caries and is considered an acceptable public health measure.

PROVINCIAL SUMMARY

TREATMENT TYPE	<--- NUMBER --->			<-- ** CAPACITY MIGD (10^3 M^3) -->		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
GROUND SOURCE - NO TREATMENT	2	74	76	.253	63.695	63.948 (290.708)
GROUND SOURCE - CHLORINATION ONLY	20	88	108	9.689	75.556	85.245 (387.524)
GROUND SOURCE - CHEMICAL TRTMT	10	55	65	5.672	82.356	88.028 (400.176)
GROUND SOURCE - PHYSICAL TRTMT	2	2	4	1.628	4.062	5.690 (25.867)
GROUND SOURCE - PHY+CHEM TRTMT	4	20	24	.494	55.965	56.459 (256.663)
SURFACE SOURCE - CHLORINATION ONLY	10	38	48	37.861	61.609	99.470 (452.191)
SURFACE SOURCE - CHEMICAL TRTMT	4	16	20	5.230	80.107	85.337 (387.941)
SURFACE SOURCE - PHYSICAL TRTMT	0	9	9	.000	23.618	23.618 (107.367)
SURFACE SOURCE - PHY+CHEM TRTMT	44	74	118	284.386	1,280.535	1,564.921 (7,114.131)
TOTALS	96	376	472	345.213 (1,569.338)	1,727.503 (7,853.229)	2,072.716 (9,422.567)

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY | CONVERSION FACTOR:

10^3 M^3 :THOUSANDS OF CUBIC METRES | 1 MGD = 4.546 10^3 M^3

Ministry of the Environment
Ontario

Southwestern Region

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REGIONAL OFFICE

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519-254-5129

Sarnia
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Clinton
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Agriculture & Food
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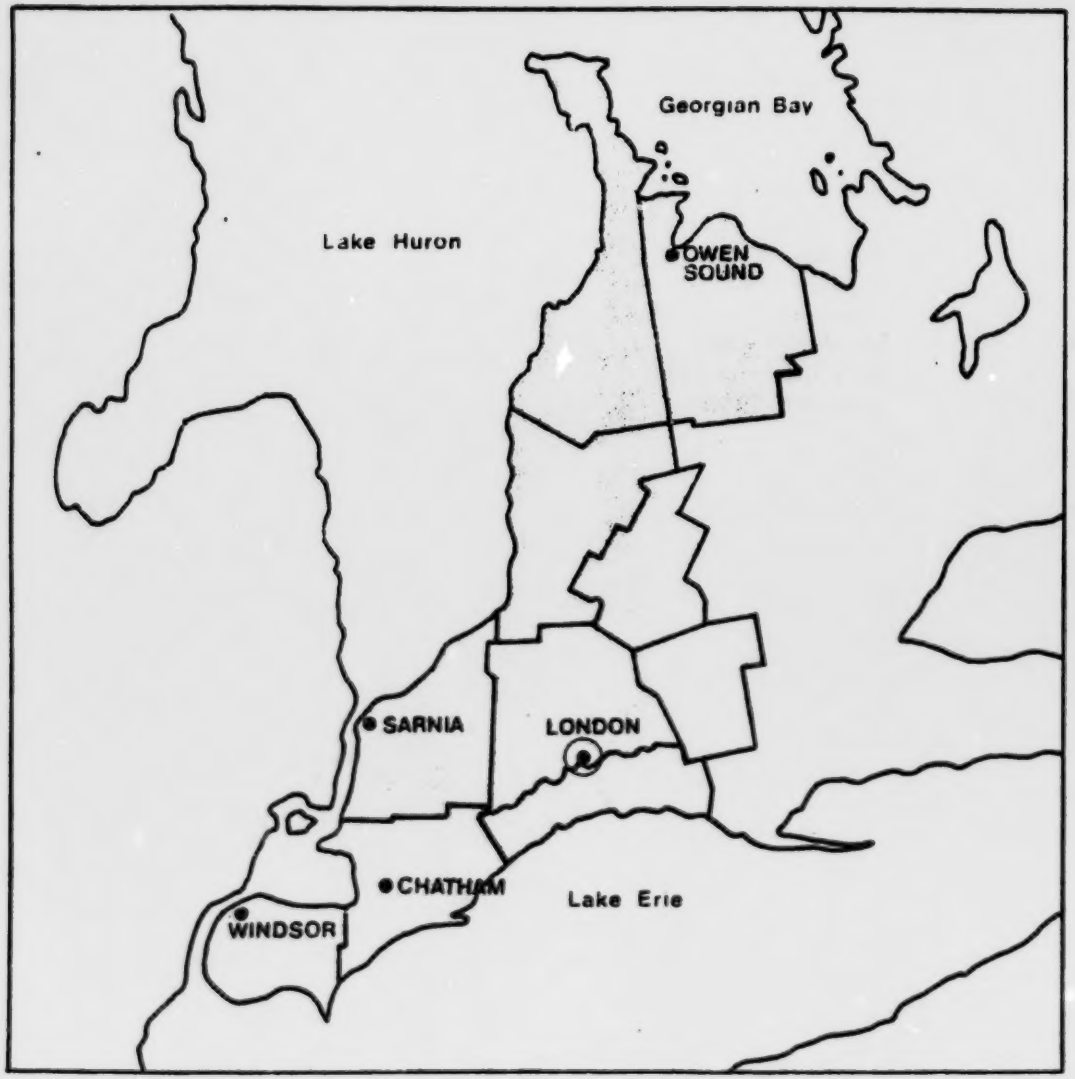

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SOUTHWESTERN REGION SUMMARY

TREATMENT TYPE	<--------- NUMBER ---------->			<---------- ** CAPACITY MIGD ($1000M^3$) ---------->		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
GROUND SOURCE - NO TREATMENT	0	18	18	.000	8.043	8.043 (36.563)
GROUND SOURCE - CHLORINATION ONLY	6	17	23	2.572	21.733	24.260 (110.287)
GROUND SOURCE - CHEMICAL TRTMT	4	11	15	.828	7.040	7.868 (35.768)
GROUND SOURCE - PHYSICAL TRTMT	1	0	1	1.513	.000	1.513 (6.878)
GROUND SOURCE - PHY+CHEM TRTMT	1	6	7	.058	16.392	16.450 (74.780)
SURFACE SOURCE - CHLORINATION ONLY	1	2	3	15.000	1.534	16.534 (75.164)
SURFACE SOURCE - CHEMICAL TRTMT	1	1	2	.840	3.000	3.840 (17.456)
SURFACE SOURCE - PHYSICAL TRTMT	0	1	1	.000	2.160	2.160 (9.819)
SURFACE SOURCE - PHY+CHEM TRTMT	14	11	25	129.808	98.495	228.303 (1037.885)
**** TOTALS ****	28	67	95	150.575 (684.513)	158.396 (720.068)	308.971 (1404.581)

CHEMICAL TREATMENT : PROCESSES SUCH AS COAGULATION, FLOCCULATION AND FLUORIDATION WHICH USE CHEMICAL AIDS COME UNDER THIS CATAGORY. ALSO INCLUDED ARE THE CHEMICAL REMOVAL PROCESSES LIKE IRON REMOVAL,

PHYSICAL TREATMENT : PROCESSES USING MECHANICAL AIDS SUCH AS SCREENING, SEDIMENTATION AND FILTRATION COME UNDER THIS CATAGORY.

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY
$1000M^3$:THOUSANDS OF CUBIC METRES

CONVERSION FACTOR
1 MGD = 4.546 $1000M^3$

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
AILSA CRAIG VILLAGE AILSA CRAIG SUPPLY 210000826	(WATER IS SUPPLIED BY	LAKE HURON WSS STEPHEN TOWNSHIP)			
ALVINSTON VILLAGE ALVINSTON WTP 210001068	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	SYDENHAM RIVER	.166 (.755)	592	MINISTRY
AMHERSTBURG TOWN AMHERSTBURG WSS 210000149	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	DETROIT RIVER	4.000 (18.184)	15354	MINISTRY
ANDERDON TOWNSHIP ANDERDON SUPPLY 210000844	(WATER IS SUPPLIED BY FLUORIDATION	AMHERSTBURG WSS)			
ARKONA VILLAGE ARKONA WELL SUPPLY 210001328	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		.144 (.655)	317	MINISTRY
AYLMER TOWN AYLMER WELL SUPPLY 220002477	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		1.055 (4.796)	5414	MUNICIPALITY
BAYHAM TOWNSHIP BAYHAM SUPPLY 210001335	(WATER IS SUPPLIED BY FLUORIDATION	ELGIN WSS YARMOUTH TOWNSHIP)			
BELLE RIVER TOWN BELLE RIVER WTP 220003412	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ST CLAIR	4.000 (18.184)	10320	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (1000M^3)	POPULATION SERVED	OPERATED BY
BELMONT VILLAGE BELMONT WELL SUPPLY 220002466	GROUND SOURCE-NO TRTMT		.398 (1.800)	885	MUNICIPALITY
BIDDULPH GRANTON TOWNSHIP GRANTON PV WELL SUPPLY 210001200	GROUND SOURCE-CHLORINATION		.122 (.555)	385	MINISTRY
BLANDFORD-BLENHEIM PLATT TOWNSHIP PLATTSVILLE WELL SUPPLY 210001291	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		.216 (.982)	510	MINISTRY
BLENHEIM TOWN BLENHEIM WSS 210000274	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ERIE	1.000 (4.546)	6315	MINISTRY
BLYTH VILLAGE BLYTH WELL SUPPLY 220001486	GROUND SOURCE-NO TRTMT		.216 (.982)	928	MUNICIPALITY
BRUSSELS VILLAGE BRUSSELS WELL SUPPLY 220001487	GROUND SOURCE-NO TRTMT		.479 (2.178)	1010	MUNICIPALITY
CARADOC TOWNSHIP MOUNT BRYDGES WELL SUPPLY 210003985	GROUND SOURCE-CHLORINATION		.590 (2.682)	1263	MINISTRY
CARADOC-EKFRID MELBOURNE TOWNSHIP CARADOC-EKFRID MELBOURNE 210001656	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.063 (.286)	328	MINISTRY
CHATHAM CITY CHATHAM WTP 220003378	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE VIA KENT COUNTY WSS	20.000 (90.920)		MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
CHATHAM CITY KENT COUNTY WSS 210003057	SURFACE SOURCE-CHLORINATION	LAKE ERIE	15.000 (68.190)	40454	MINISTRY
CHATSWORTH VILLAGE CHATSWORTH WELL SUPPLY 210003011	GROUND SOURCE-CHLORINATION	.	.168 (.764)	410	MUNICIPALITY
CHESLEY TOWN CHESLEY WELL SUPPLY 220002725	GROUND SOURCE-NO TRTMT		.828 (3.764)	1926	MUNICIPALITY
CLINTON TOWN CLINTON WSS 220001539	GROUND SOURCE-CHLORINATION		.720 (3.273)	4000	MUNICIPALITY
COLCHESTER NORTH MC GREG TOWNSHIP MC GREGOR HAMLET SUPPLY 210001399	(WATER IS SUPPLIED BY FLUORIDATION	AMHERSTBURG WSS)			
COLCHESTER SOUTH TOWNSHIP COLCHESTER HAMLET SUPPLY 210001344	(WATER IS SUPPLIED BY	HARROW-COLCHESTER WSS)			
DELAWARE TOWNSHIP DELAWARE WELL SUPPLY 210000023	GROUND SOURCE-CHLORINATION	.	.230 (1.045)	548	MINISTRY
DOVER TOWNSHIP MITCHELL'S BAY WTP 220003234	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION		.240 (1.090)	350	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
DOVER TOWNSHIP PAINCOURT WELL SUPPLY 220003243	GROUND SOURCE-CHLORINATION		.020 (.091)	230	MUNICIPALITY
DOWNIE TOWNSHIP ST PAULS WELL SUPPLY 220003948	GROUND SOURCE-NO TRTMT		.059 (.268)	66	MUNICIPALITY
DRESDEN TOWN DRESDEN WTP 210000283	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION	SYDENHAM RIVER	.840 (3.818)	2477	MINISTRY
DUNDALK VILLAGE DUNDALK WELL SUPPLY 220001753	GROUND SOURCE-CHLORINATION		.432 (1.964)	1298	MUNICIPALITY
DURHAM TOWN DURHAM WELL SUPPLY 220001771	GROUND SOURCE-NO TRTMT		.783 (3.469)	2472	MUNICIPALITY
DUTTON TOWNSHIP DUTTON SUPPLY 220002967	(WATER IS SUPPLIED BY FLUORIDATION	WEST LORNE WSS)			
EAST WILLIAMS TOWNSHIP EAST WILLIAMS SUPPLY 220004652	(WATER IS SUPPLIED BY CHLORINATION	LAKE HURON WSS STEPHEN TOWNSHIP)			
EAST WILLIAMS TOWNSHIP NAIRN SUPPLY 210001246	(WATER IS SUPPLIED BY	LAKE HURON WSS STEPHEN TOWNSHIP)			

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (10^3M^3)	POPULATION SERVED	OPERATED BY
EAST ZORRA-TAVISTOCK TOWNSHIP TAVISTOCK WELL SUPPLY 220000847	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		1.043 (4.741)	1878	MUNICIPALITY
ELLICE TOWNSHIP BRUNNER WELL SUPPLY 220003857	GROUND SOURCE-NO TRTMT		.025 (.114)	63	MUNICIPALITY
ELMA TOWNSHIP ATWOOD WELL SUPPLY 220003866	GROUND SOURCE-NO TRTMT		.065 (.295)	98	MUNICIPALITY
ENNISKILLEN TOWNSHIP ENNISKILLEN SUPPLY 220004377	(WATER IS SUPPLIED BY FLUORIDATION	PETROLIA WSS)			
ERIE BEACH VILLAGE ERIE BEACH SUPPLY 210003803	(WATER IS SUPPLIED BY CHLORINATION	ERIEAU-ERIE BEACH WSS)			
ERIEAU-ERIE BEACH VILLAGE ERIEAU-ERIE BEACH WSS 210001415	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	.572 (2.600)	1481	MINISTRY
ESSEX TOWN ESSEX SUPPLY 220003880	(WATER IS SUPPLIED BY CHLORINATION	UNION-ESSEX WSS GOSFIELD SOUTH TOWNSHIP)			
EXETER TOWN EXETER WELL SUPPLY 220001520	GROUND SOURCE-CHLORINATION	AUSABLE RIVER	1.680 (7.637)	3844	MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
FOREST TOWN FOREST WELL SUPPLY 220001381	GROUND SOURCE-CHLORINATION		.300 (1.364)	2720	MUNICIPALITY
GLENCOE VILLAGE GLENCOE SUPPLY (WELLS ARE ON STANDBY) 220002184	(WATER IS SUPPLIED BY GROUND SOURCE-CHLORINATION ONLY	WEST LORNE WSS)	.091 (.414)	1646	MUNICIPALITY
GODERICH TOWN GODERICH WTP 210000238	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE HURON	2.640 (12.000)	7297	MINISTRY
GOSFIELD NORTH TOWNSHIP GOSFIELD SUPPLY 210001610	(WATER IS SUPPLIED BY	UNION ESSEX WSS GOSFIELD SOUTH TOWNSHIP)			
GOSFIELD SOUTH UNION TOWNSHIP UNION WSS 210000883	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	16.000 (72.736)	44752	MINISTRY
GRAND BEND VILLAGE GRAND BEND SUPPLY 210000808	(WATER IS SUPPLIED BY	LAKE HURON WSS STEPHEN TOWNSHIP)			
HARROW-COLCHESTER SOUTH TOWN HARROW-COLCHESTER SOUTH WSS 210000130	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	2.250 (10.229)	3328	MINISTRY
HARWICH TOWNSHIP HARWICH SUPPLY 210001530	(WATER IS SUPPLIED BY FLUORIDATION	BLENHEIM WSS)			

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
HARWICH TOWNSHIP SHERWSBURY-RAGLAN SUPPLY 210001754	(WATER IS SUPPLIED BY FLUORIDATION	BLENHEIM WSS)			
HENSALL VILLAGE HENSALL WELL SUPPLY 220001478	GROUND SOURCE-NO TRTMT		.432 (1.984)	1010	MUNICIPALITY
INGERSOLL TOWN INGERSOLL WELL SUPPLY 220000892	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		3.500 (15.911)	8674	MUNICIPALITY
KINCARDINE TOWN KINCARDINE WTP 220002718	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE HURON	2.540 (11.547)	6160	MUNICIPALITY
KINGSVILLE TOWN KINGSVILLE SUPPLY 220003403	(WATER IS SUPPLIED BY CHLORINATION	UNION-ESSEX WSS GOSFIELD SOUTH TOWNSHIP)			
LEAMINGTON TOWN LEAMINGTON SUPPLY 220004892	(WATER IS SUPPLIED BY	UNION-ESSEX WSS GOSFIELB SOUTH TOWNSHIP)			
LIONS HEAD VILLAGE LIONS HEAD WTP 220002872	SURFACE SOURCE-CHLORINATION	GEORGIAN BAY	.484 (2.200)	436	MUNICIPALITY
LISTOWEL TOWN TOWN LISTOWEL WELL SUPPLY 220000512	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		1.800 (8.183)	5030	MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
LOBO TOWNSHIP KILWORTH HEIGHTS WELL SUPPLY 210003994	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		.180 .818)	33	MINISTRY
LONDON TOWNSHIP BIRR SUPPLY 220006492	(WATER IS SUPPLIED BY CHLORINATION	LAKE HURON WSS STEPHEN TOWNSHIP)			
LONDON TOWNSHIP DENFIELD HAMLET SUPPLY 210001488	(WATER IS SUPPLIED BY	LAKE HURON WSS STEPHEN TOWNSHIP)			
LONDON CITY LONDON CITY SUPPLY 220004812	(WATER IS SUPPLIED BY CHLORINATION FLUORIDATION	LAKE HURON WSS STEPHEN TOWNSHIP)			
LUCAN VILLAGE LUCAN WELL SUPPLY 220002155	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.300 1.364)	1797	MUNICIPALITY
LUCKNOW VILLAGE LUCKNOW WELL SUPPLY 220002663	GROUND SOURCE-NO TRTMT		.684 3.109)	1093	MUNICIPALITY
MAIDSTONE TOWNSHIP WOODSLEA SUPPLY 220004395	(WATER IS SUPPLIED BY	UNION ESSEX WSS GOSFIELD SOUTH TOWNSHIP)			MUNICIPALITY
MALDEN TOWNSHIP MALDEN SUPPLY 210001371	(WATER IS SUPPLIED BY FLUORIDATION	AMHERSTBURG WSS)			

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
MARKDALE VILLAGE MARKDALE WELL SUPPLY 220001744	GROUND SOURCE-CHLORINATION		.864 (3.928)	1260	MINISTRY
MEAFORD TOWN MEAFORD WTP 210000176	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	GEORGIAN BAY	2.160 (9.819)	4607	MUNICIPALITY
MERSEA TOWNSHIP MERSEA SUPPLY 220004388	(WATER IS SUPPLIED BY	UNION ESSEX WSS GOSFIELD SOUTH TOWNSHIP)			
MILDMAY VILLAGE MILDMAY WELL SUPPLY 220002654	GROUND SOURCE-NO TRTMT		.360 (1.637)	1025	MUNICIPALITY
MILVERTON VILLAGE MILVERTON WELL SUPPLY 220000503	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.315 (1.432)	1498	MUNICIPALITY
MITCHELL TOWN MITCHELL WELL SUPPLY 210000577	GROUND SOURCE-PHYSICAL TRTMT		1.513 (6.878)	2745	MINISTRY
MOORE-CORUNNA TOWNSHIP CORUNNA PV SUPPLY 210000915	(WATER IS SUPPLIED BY FLUORIDATION	LAMBTON COUNTY WSS SARNIA CITY)			
MOORE-MOORETOWN TOWNSHIP MOORETOWN SUPPLY 210001594	(WATER IS SUPPLIED BY FLUORIDATION	LAMBTON COUNTY WSS SARNIA CITY)			

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
NORTH DORCHESTER TOWNSHIP DORCHESTER PV WELL SUPPLY 220002146	GROUND SOURCE-CHLORINATION		.490 (2.228)	2800	MUNICIPALITY
NORWICH TOWNSHIP NORWICH WELL SUPPLY 220000656	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.360 (1.637)	2290	MUNICIPALITY
NORWICH TOWNSHIP OTTERVILLE PV WELL SUPPLY 220000601	GROUND SOURCE-NO TRTMT		.187 (.850)	684	MUNICIPALITY
NORWICH TOWNSHIP SPRINGFORD HAMLET WELL SUPPLY 220000594	GROUND SOURCE-NO TRTMT		.082 (.373)	255	MUNICIPALITY
OIL SPRINGS VILLAGE OIL SPRING WELL SUPPLY 220001343	GROUND SOURCE-CHLORINATION		.064 (.291)	619	MUNICIPALITY
OWEN SOUND CITY RICHARD H. NEATH WTP 220001799	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	GEORGIAN BAY	6.600 (30.004)	14300	MUNICIPALITY
OWEN SOUND CITY SPRING WELL SUPPLY 220001780	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		1.200 (5.455)	6195	MUNICIPALITY
PAISLEY VILLAGE PAISLEY WTP 220002845	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	TEESWATER RIVER	.342 (1.555)	868	MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (10^3 m^3)	POPULATION SERVED	OPERATED BY
PARKHILL TOWN PARKHILL SUPPLY 210000817	(WATER IS SUPPLIED BY CHLORINATION	LAKE HURON WSS STEPHEN TOWNSHIP)			
PETROLIA TOWN PETROLIA WSS 220002803	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	LAKE HURON	3.000 (13.638)	4719	MUNICIPALITY
PLYMPTON TOWNSHIP CANLACHIE SUPPLY 210001892	(WATER IS SUPPLIED BY) CHLORINATION	PETROLIA WSS)			
PLYMPTON TOWNSHIP PLYMPTON SUPPLY 220004366	(WATER IS SUPPLIED BY FLUORIDATION	PETROLIA WSS)			
POINT EDWARD VILLAGE POINT EDWARD SUPPLY 210000824	(WATER IS SUPPLIED BY FLUORIDATION	LAMBTON WSS SARNIA CITY)			
PORT BURWELL VILLAGE PORT BURWELL SUPPLY 210000850	(WATER IS SUPPLIED BY FLUORIDATION	ELGIN WSS YARMOUTH)			
PORT ELGIN TOWN PORT ELGIN WTP 220002707	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE HURON	1.915 (8.706)	6260	MUNICIPALITY
PORT STANLEY VILLAGE PORT STANLEY WTP 220002459	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ERIE	.600 (2.728)	2364	MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
RIDGETOWN TOWN RIGETOWN WELL SUPPLY 220003369	GROUND SOURCE-CHLORINATION		.432 (1.964)	3125	MUNICIPALITY
RIPLEY VILLAGE RIPLEY WELL SUPPLY 220002636	GROUND SOURCE-CHLORINATION		.270 (1.227)	650	MUNICIPALITY
ROCHESTER TOWNSHIP ROCHESTER SUPPLY 210001629	(WATER IS SUPPLIED BY	UNION ESSEX WSS GOSFIELD SOUTH TOWNSHIP)			
RODNEY VILLAGE RODNEY SUPPLY 220002958	(WATER IS SUPPLIED BY FLUORIDATION	WEST LORNE WSS)			
SANDWICH SOUTH TOWNSHIP SANDWICH SOUTH SUPPLY 220003699	(WATER IS SUPPLIED BY FLUORIDATION	WINDSOR WSS)			
SANDWICH WEST TOWNSHIP SANDWICH WEST SUPPLY 220004402	(WATER IS SUPPLIED BY FLUORIDATION	WINDSOR WSS)			
SARNIA TOWNSHIP BRIGHTS GROVE SUPPLY 220002930	(WATER IS SUPPLIED BY FLUORIDATION	PETROLIA WSS)			
SARNIA TOWNSHIP SARNIA SUPPLY 210001601	(WATER IS SUPPLIED BY FLUORIDATION	LAMBTON COUNTY WSS SARNIA CITY)			

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (10^3 M^3)	POPULATION SERVED	OPERATED BY
SARNIA-LAMBTON CITY LAMBTON COUNTY WSS 210000908	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE HURON	40.000 (181.840)	76460	MINISTRY
SEAFORTH TOWN SEAFORTH WELL SUPPLY 220001511	GROUND SOURCE-CHLORINATION		1.100 (5.001)	2100	MUNICIPALITY
SOMBRA TOWNSHIP PORT LAMBTON PV SUPPLY 220001316	(WATER IS SUPPLIED BY FLUORIDATION	LAMBTON COUNTY WSS SARNIA CITY)			
SOMBRA TOWNSHIP SOMBRA PV SUPPLY 220001325	(WATER IS SUPPLIED BY FLUORIDATION	LAMBTON COUNTY WSS SARNIA CITY)			
SOUTH-WEST OXFORD TOWNSHIP BEACHVILLE-LOWEVILLE SUBD WELL SUPPLY 220000874	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.050 (.227)	168	MUNICIPALITY
SOUTH-WEST OXFORD TOWNSHIP BROWNSVILLE HAMLET WELL SUPPLY 220000838	GROUND SOURCE-NO TRTMT		.062 (.282)	350	MUNICIPALITY
SOUTH-WEST OXFORD TOWNSHIP MT ELGIN HAMLET WELL SUPPLY 220000828	GROUND SOURCE-CHLORINATION		.057 (.259)	250	MUNICIPALITY
SOUTHAMPTON TOWN SOUTHAMPTON WTP 210000078	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE HURON	.840 (3.819)	3748	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
SOUTHWOLD TOWNSHIP SOUTHWOLD SUPPLY 210001382	(WATER IS SUPPLIED BY FLUORIDATION	ELGIN WSS GOSFIELD SOUTH TOWNSHIP)			
ST CLAIR BEACH VILLAGE ST CLAIR BEACH SUPPLY 220003323	(WATER IS SUPPLIED BY FLUORIDATION	WINDSOR WSS)			
ST MARYS SEPARATED TOWN ST MARYS WELL SUPPLY 220000521	GROUND SOURCE-CHLORINATION		2.304 (10.474)	4815	MUNICIPALITY
ST THOMAS CITY ST THOMAS SUPPLY 210000899	(WATER IS SUPPLIED BY FLUORIDATION	ELGIN WSS YARMOUTH TOWNSHIP)			
STEPHEN TOWNSHIP CENTRALIA IND. PARK WELL SUPPLY 220001450	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.576 (2.618)	1400	MUNICIPALITY (MINISTRY AS OF AUG. 83)
STEPHEN TOWNSHIP HURON PARK WELL SUPPLY 210003048	GROUND SOURCE-CHLORINATION	.	.576 (2.618)	1400	MINISTRY
STEPHEN TOWNSHIP LAKE HURON WSS 210000791	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE HURON	37.000 (168.202)	273000	MINISTRY
STEPHEN-HAY TOWNSHIP DASHWOOD SUPPLY 210001745	(WATER IS SUPPLIED BY	LAKE HURON WSS STEPHEN TOWNSHIP)			

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
STRATFORD CITY STRATFORD WELL SUPPLY 220000530	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		6.466 (29.394)	26477	MUNICIPALITY
STRATHROY TOWN STRATHROY WELL SUPPLY 220002173	GROUND SOURCE-NO TRTMT		2.518 (11.446)	8850	MUNICIPALITY
TARA VILLAGE TARA WELL SUPPLY 220002627	GROUND SOURCE-CHLORINATION		.219 (.996)	685	MUNICIPALITY
TECUMSEH TOWN TECUMSEH SUPPLY 220003314	(WATER IS SUPPLIED BY FLUORIDATION	WINDSOR WSS)			
TEESWATER VILLAGE TEESWATER WELL SUPPLY 220002618	GROUND SOURCE-NO TRTMT		.569 (2.587)	1080	MUNICIPALITY
THAMESVILLE TOWN THAMESVILLE WELL SUPPLY 210001727	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.288 (1.309)	905	MINISTRY
THEDFORD VILLAGE THEDFORD WELL SUPPLY 210000425	GROUND SOURCE-CHLORINATION		.144 (.655)	676	MINISTRY
THORNBURY TOWN THORNBURY WTP 220001762	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	GEORGIAN BAY	1.100 (5.001)	2212	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
TILBURY TOWN TILBURY WTP 220003350	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ST CLAIR	1.434 (6.519)	5200	MUNICIPALITY
TILBURY NORTH TOWNSHIP TILBURY NORTH WSS (STONEY POINT) 220003398	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ST.CLAIR	.864 (3.928)	4100	MUNICIPALITY
TILBURY W TOWNSHIP COMBER SUPPLY 210001095	(WATER IS SUPPLIED BY CHLORINATION FLUORIDATION	TILBURY NORTH WSS)			
TILLSONBURG TOWN TILLSONBURG WELL SUPPLY 220000682	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		2.200 (10.001)	10410	MUNICIPALITY
TIVERTON VILLAGE TIVERTON WELL SUPPLY 220002609	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.240 (1.091)	770	MUNICIPALITY
TUCKERSMITH TOWNSHIP EGMONDVILLE WELL SUPPLY 220001441	GROUND SOURCE-NO TRTMT		.144 (.655)	300	MUNICIPALITY
TUCKERSMITH VAN ASTRA TOWNSHIP VAN ASTRA SUPPLY(CLINTON) 210001505	(WATER IS SUPPLIED BY CHLORINATION	CLINTON WSS)			
VIENNA VILLAGE VIENNA SUPPLY 210001282	(WATER IS SUPPLIED BY FLUORIDATION	ELGIN WSS) YARMOUTH TOWNSHIP)			

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE / SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
WALKERTON TOWN WALKERTON WELL SUPPLY 220002690	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		1.865 (8.478)	4579	MUNICIPALITY
WALLACE TOWNSHIP GOWANSTOWN WELL SUPPLY 220003975	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.036 (.164)	57	MUNICIPALITY
WALLACEBURG TOWN WALLACEBURG WTP 220003341	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	CHENAL ECARTE	2.600 (11.820)	12379	MUNICIPALITY
WATFORD VILLAGE WATFORD SUPPLY 220002912	(WATER IS SUPPLIED BY FLUORIDATION	PETROLIA WSS)			
WEST LORNE VILLAGE WEST LORNE WSS 220002949	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	.800 (3.637)	6550	MUNICIPALITY
WEST WILLIAMS TOWNSHIP WEST WILLIAMS SUPPLY 210001424	(WATER IS SUPPLIED BY	LAKE HURON WSS STEPHEN TOWNSHIP)			
WESTMINSTER TOWNSHIP LAMBETH PV WELL SUPPLY 220002128	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		1.922 (8.737)	2800	MUNICIPALITY
WESTMINSTER TOWNSHIP WESTMINSTER SUPPLY 210001451	(WATER IS SUPPLIED BY	LAKE HURON WSS STEPHEN TOWNSHIP)			

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (10^3M^3)	POPULATION SERVED	OPERATED BY
WHEATLEY VILLAGE WHEATLEY WTP 220003332	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	.800 (3.637)	3600	MUNICIPALITY
WIARTON TOWN WIARTON WTP 220002681	SURFACE SOURCE-CHLORINATION	GEORGIAN BAY	1.050 (4.773)	2300	MUNICIPALITY
WINDSOR CITY WINDSOR MAIN PLANT WSS 220003421	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	DETROIT RIVER	60.000 (272.760)	225000	MUNICIPALITY
WINGHAM TOWN WINGHAM WELL SUPPLY 220001502	GROUND SOURCE-CHLORINATION		2.660 (12.092)	2858	MUNICIPALITY
WOODSTOCK CITY WOODSTOCK WELL SUPPLY 220000709	GROUND SOURCE-CHLORINATION		10.500 (47.733)	27200	MUNICIPALITY
WYOMING VILLAGE WYOMING SUPPLY 220002921	(WATER IS SUPPLIED BY FLUORIDATION	PETROLIA WSS)			
YARMOUTH-ELGIN TOWNSHIP ELGIN WSS 210000871	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ERIE	20.000 (90.920)	30651	MINISTRY
ZORRA TOWNSHIP EMBRO WELL SUPPLY 220000685	GROUND SOURCE-NO TRTMT		.173 (.786)	780	MUNICIPALITY

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
ZORRA TOWNSHIP THAMESFORD PV WELL SUPPLY 220000610	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.504 (2.291)	1750	MUNICIPALITY
ZURICH VILLAGE ZURICH WELL SUPPLY 220001480	GROUND SOURCE-CHLORINATION		.317 (1.441)	791	MUNICIPALITY

SOUTHWESTERN REGION

AREA WATER SUPPLY SYSTEMS

TOTAL AREA WATER SUPPLY SYSTEMS	TOTAL CAPACITY	
	1000m³	MIGD
THIRTEEN	865.9	190.5

SYSTEM: AMHERSTBURG-ANDERDON-MALDEN WATER SUPPLY SYSTEM (AMHERSTBURG W.S.S.) 210000149

Number of Plants: One
Operated by: Ministry of the Environment

Number of Municipalities Served: Four

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
ANDERDON TWP. (Near North End of Amherstburg)	Screening (power) Coagulation Flocculation Sedimentation Filtration Chlorination Fluoridation	4.0 MIGD (18.2 1000M^3)	Amherstburg Town Anderdon Twp Colchester N. Twp. Malden Twp.	Detroit River

SYSTEM: BLENHEIM WATER SUPPLY SYSTEM 210000274

Number of Plants: One
Operated by: Ministry of the Environment

Number of Municipalities Served: Three

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
BLENHEIM TOWN (Ralph Twp. 4 miles west of Cedar Springs)	Screening (Manual) Coagulation Flocculation Sedimentation Filtration Fluoriodation Chlorination	1.0 MIGD (4.6 1000M^3)	Blenheim Town Harwich Twp. Raleigh Twp.	Lake Erie

SYSTEM: ELGIN WATER SUPPLY SYSTEM 210000871

Number of Plants: One
Operated by: Ministry of the Environment

Number of Municipalities Served: Seven

PLANT LOCATION	TREATMENT	CAPACITY
YARMOUTH TOWNSHIP	Screening Coagulation Flocculation Sedimentation Filtration Chlorination Fluoridation	10.0 MIGD (45.5 1000M^3)

MUNICIPALITIES SERVED	SOURCE
St. Thomas City Port Burwell Village Vienna Village Bayham Twp. Malahide Twp. Yarmouth Twp.	Lake Erie

SYSTEM: ERIEAU/ERIE BEACH WATER SUPPLY SYSTEM 210001415

Number of Plants: One
Operated by: Ministry of the Environment

Number of Municipalities Served: Five

PLANT LOCATION	TREATMENT	CAPACITY
ERIEAU VILLAGE	Screening Coagulation Flocculation Direct Filtration Chlorination	0.57 MIGD (2.60 1000M^3)

MUNICIPALITIES SERVED	SOURCE
Kent County Blenheim Town Erieau Village Erie Beach Village Harwich Twp.	Lake Erie

SYSTEM: HARROW - COLCHESTER SOUTH WATER SUPPLY SYSTEM 210000130

Number of Plants: One
Operated by: Ministry of the Environment

Number of Municipalities Served: Three

PLANT LOCATION	TREATMENT	CAPACITY
HARROW TOWN	Microstraining Coagulation Flocculation Sedimentation Filtration Chlorination	2.25 MIGD (10.23 1000M^3)

MUNICIPALITIES SERVED	SOURCE
Harrow Town Colchester S. Twp. Colchester Hamlet	Lake Erie

SYSTEM: KENT COUNTY WATER SUPPLY SYSTEM 210003057

Number of Plants: One
Operated by: Ministry of the Environment

Number of Municipalities Served: One

PLANT LOCATION	TREATMENT	CAPACITY
CHATHAM CITY (intake is in Raleigh Twp)	Screening Chlorination	15.0 MIGD (68.20 1000M^3)

* MUNICIPALITIES SERVED	SOURCE
Chatham City	Lake Erie

*NOTE: Supplies raw water to Erieau and Erie Beach Water Supply System
Supplies raw water to Blenheim Water Supply System (standby only)

SYSTEM: LAKE HURON WATER SUPPLY SYSTEM 210000791

Number of Plants: One
Operated by: Ministry of the Environment

PLANT LOCATION	TREATMENT	CAPACITY
STEPHEN TOWNSHIP (North of Grand Bend)	Screening Coagulation Flocculation Direct Filtration Chlorination	37.0 MIGD (168.2 1000M^3)

Number of Municipalities Served: Eleven

MUNICIPALITIES SERVED	SOURCE
London City Parkhill Town Ailsa Craig Village East Williams Twp. London Township McGillivray Twp. Westminster Twp. West Williams Twp. Grand Bend Village Bosanquet Twp. Stephen Twp.	Lake Huron

SYSTEM: LAMBTON COUNTY WATER SUPPLY SYSTEM 210000906

Number of Plants: One
Operated by: Ministry of the Environment

PLANT LOCATION	TREATMENT	CAPACITY
SARNIA CITY	Coagulation Flocculation Direct Filtration Fluoridation Chlorination	40.0 MIGD (181.8 1000M^3)

Number of Municipalities Served: Four

MUNICIPALITIES SERVED	SOURCE
Sarnia City Point Edward Village Moore Twp. - Bridgen - Corunna - Courtland - Mooreland Sombra Twp. - Port Lambton - Sombra	At confluence of St. Clair River and Lake Huron

SYSTEM: PETROLIA WATER SUPPLY SYSTEM 210002903

Number of Plants: One
Operated by: Petrolia Public Utilities Commission

Number of Municipalities Served: Six

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
PETROLIA TOWN	Sedimentation Fluoridation Chlorination	3.0 MIGD (13.6 1000M^3)	Petrolia Town *Watford Village *Wyoming Village Enniskillen Twp. Plympton Twp. Sarnia Twp. - Brights Grove	Lake Huron

*Note: A Ministry operated pipeline connected to this system feeds the villages of Watford and Wyoming and portions of Plympton Twp.

SYSTEM: TILBURY NORTH WATER SUPPLY SYSTEM 210003396

Number of Plants: One
Operated by: Tilbury Public Utilities Commission

Number of Municipalities Served: Two

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
TILBURY N. TOWNSHIP (Stoney Point)	Coagulation Flocculation Sedimentation Chlorination Filtration (pressure)	0.864 MIGD (3.928 1000M^3)	**Tilbury North Twp. **Tilbury West Twp.	Lake St. Clair

**Note: A Ministry owned pipeline connected to the Treatment Plants feeds most of Tilbury North Township and portions of Tilbury West Township.

SYSTEM: UNION-ESSEX WATER SUPPLY SYSTEM 210000853

Number of Plants: One
Operated by: Ministry of the Environment

Number of Municipalities Served: Nine

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
GOSFIELD SOUTH TWP.	Coarse Screening Microstraining Coagulation Flocculation Sedimentation Filtration Carbon Adsorption Chlorination	16.0 MIGD (72.75 1000M^3)	Essex Town Kingsville Town Leamington Town Gosfield North Twp. Gosfield South Twp. Maidstone Twp. Mersea Twp. Rochester Twp. Sandwich South Twp.	Lake Erie

Note: H. J. Heinz Co. Ltd. is a major user of the system.
Interconnections have been made for emergency use
to the Belle River and Harrow-Colchester S. Area Water Systems.

SYSTEM: WEST LORNE WATER SUPPLY SYSTEM 210002949

Number of Plants: One
Operated by: West Lorne Public Utilities Commission

Number of Municipalities Served: Four

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
WEST LORNE VILLAGE	Coagulation Flocculation Sedimentation Filtration Chlorination Fluoridation (Activated Carbon)	0.8 MIGD (3.6 1000M^3)	Dutton Village Glencoe Village Rodney Village West Lorne Village	Lake Erie

SYSTEM: WINDSOR WATER SUPPLY SYSTEM 210003421

Number of Plants: One
Operated by: Windsor Public Utilities Commission

Number of Municipalities Served: Five

PLANT LOCATION	TREATMENT	CAPACITY
WINDSOR CITY	Coagulation Flocculation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	60.0 MIGD (272.8 1000M^3)

MUNICIPALITIES SERVED	SOURCE
Windsor City Tecumseh Town St. Clair Beach Village Sandwich S. Twp. Sandwich W. Twp.	Detroit River

Ministry of the Environment
Ontario

West Central Region

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119 King St. W.
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DISTRICT OFFICES

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637-641 Niagara St. N.
416-735-0431

Cambridge
400 Clyde Road
P.O. Box 219
519-623-2080

West Central Region

Ministry of the Environment

Ontario

(2)

REGIONAL OFFICE

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DISTRICT OFFICES

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WEST CENTRAL REGION SUMMARY

TREATMENT TYPE	<--------- NUMBER ---------->			<---------- ** CAPACITY MIGD ($1000M^3$) ---------->		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
GROUND SOURCE - NO TREATMENT	0	12	12	.000	34.135	34.135 (155.178)
GROUND SOURCE - CHLORINATION ONLY	0	12	12	.000	30.434	30.434 (138.353)
GROUND SOURCE - CHEMICAL TRTMT	1	10	11	.216	17.317	17.533 (79.705)
GROUND SOURCE - PHYSICAL TRTMT	0	0	0	.000	.000	.000 (.000)
GROUND SOURCE - PHY+CHEM TRTMT	0	4	4	.000	21.255	21.255 (96.625)
SURFACE SOURCE - CHLORINATION ONLY	1	0	1	20.500	.000	20.500 (93.193)
SURFACE SOURCE - CHEMICAL TRTMT	0	0	0	.000	.000	.000 (.000)
SURFACE SOURCE - PHYSICAL TRTMT	0	4	4	.000	17.404	17.404 (79.119)
SURFACE SOURCE - PHY+CHEM TRTMT	1	11	12	3.000	278.040	281.040 (1,277.606)
**** TOTALS ****	3	53	56	23.716 (107.813)	398.585 (1,811.967)	422.301 (1,919.780)

CHEMICAL TREATMENT : PROCESSES SUCH AS COAGULATION, FLOCCULATION AND FLUORIDATION WHICH USE CHEMICAL AIDS COME UNDER THIS CATAGORY. ALSO INCLUDED ARE THE CHEMICAL REMOVAL PROCESSES LIKE IRON REMOVAL.

PHYSICAL TREATMENT : PROCESSES USING MECHANICAL AIDS SUCH AS SCREENING, SEDIMENTATION AND FILTRATION COME UNDER THIS CATAGORY.

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY
$1000M^3$:THOUSANDS OF CUBIC METRES

CONVERSION FACTOR
1 MGD = 4.546 $1000M^3$

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
ANCASTER TOWN ANCASTER SUPPLY 220004411	(WATER IS SUPPLIED BY FLUORIDATION	HAMILTON WSS)			
ARTHUR VILLAGE ARTHUR WELL SUPPLY 220000040	GROUND SOURCE-NO TRTMT		.512 (2.328)	1700	MUNICIPALITY
BRANTFORD TOWNSHIP AIRPORT WELL SUPPLY 220002743	GROUND SOURCE-CHLORINATION		.504 (2.291)	811	MUNICIPALITY
BRANTFORD CITY BRANTFORD WTP 220003584	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	GRAND RIVER	25.000 (113.650)	75000	MUNICIPALITY
BRANTFORD TOWNSHIP TUTELA HEIGHTS WELL SUPPLY 210000069	GROUND SOURCE-CHLORINATION		.288 (1.309)	1300	MUNICIPALITY
CAMBRIDGE CITY CAMBRIDGE WELL SUPPLY 220000166	GROUND SOURCE-CHLORINATION		16.560 (75.282)	76505	MUNICIPALITY
CLIFFORD VILLAGE CLIFFORD WELL SUPPLY 220000031	GROUND SOURCE-NO TRTMT		.288 (1.309)	620	MUNICIPALITY
DELHI TOWNSHIP DELHI WTP 220000415	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	NORTH CREEK	1.500 (6.819)	15080	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (1000M^3)	POPULATION SERVED	OPERATED BY
DELHI TOWNSHIP LAKEVIEW WTP 220000889	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	LAKE ERIE	.250 (1.137)	1500	MUNICIPALITY
DELHI TOWNSHIP ST WILLIAMS PV WELL SUPPLY 220000870	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.370 (1.682)	400	MUNICIPALITY
DUNDAS TOWN DUNDAS SUPPLY 220003127	(WATER IS SUPPLIED BY FLUORIDATION	HAMILTON WSS)			
DUNNVILLE TOWN DUNNVILLE SUPPLY 220003585	(WATER IS SUPPLIED BY	DUNNVILLE WSS)			
DUNNVILLE TOWN DUNNVILLE WSS 210000185	SURFACE SOURCE-CHLORINATION	LAKE ERIE	20.500 (93.193)	8471	MINISTRY
ELORA VILLAGE ELORA WELL SUPPLY 220000022	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.668 (3.037)	2000	MUNICIPALITY
ERAMOSA TOWNSHIP ROCKWOOD WELL SUPPLY 220005599	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.432 (1.964)	840	MUNICIPALITY
ERIN VILLAGE ERIN WELL SUPPLY 220000013	GROUND SOURCE-NO TRTMT		.540 (2.455)	1811	MUNICIPALITY

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (10^3 m³)	POPULATION SERVED	OPERATED BY
FERGUS TOWN FERGUS WELL SUPPLY 220000088	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		1.250 (5.683)	8000	MUNICIPALITY
FLAMBOROUGH TOWNSHIP FLAMBOROUGH HILLS WELL SUPPLY 220004108	GROUND SOURCE-NO TRTMT		.300 (1.364)	411	MUNICIPALITY
FLAMBOROUGH TOWNSHIP GREENSVILLE WELL SUPPLY 220004126	GROUND SOURCE-CHLORINATION		.040 (.182)	100	MUNICIPALITY
FLAMBOROUGH TOWNSHIP WATERDOWN SUPPLY 220002271	(WATER IS SUPPLIED BY	BURLINGTON WSS)			
FLAMBOROUGH TOWNSHIP WILDAN ESTATES WELL SUPPLY 220004117	GROUND SOURCE-NO TRTMT		.150 (.682)	180	MUNICIPALITY
FORT ERIE TOWN ROSEHILL WTP(BERTIE) 220002020	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	LAKE ERIE	11.000 (50.006)	24000	MUNICIPALITY
GRIMSBY TOWN GRIMSBY WTP 220001998	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	4.600 (20.912)	13400	MUNICIPALITY
GUELPH CITY GUELPH WELL SUPPLY 22.8 MGD SUMMER CAP. 220000095	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION	RECHARGE FROM ERAMOSA R.	19.900 (90.465)	76600	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($10^3 m^3$)	POPULATION SERVED	OPERATED BY
HALDIMAND TOWN CALEDONIA WELL SUPPLY 220001735	GROUND SOURCE-CHLORINATION		.684 (3.109)	4000	MUNICIPALITY
HALDIMAND TOWN CAYUGA WTP 220001717	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	GRAND RIVER	.240 (1.091)	1165	MUNICIPALITY
HALDIMAND TOWN HAGERSVILLE SUPPLY 220001708	(WATER IS SUPPLIED BY	HALDI/NORFOLK WSS NANTICOKE CITY)			
HAMILTON CITY HAMILTON WSS (WOODWARD AVE) 220003118	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	150.000 (681.800)	376074	MUNICIPALITY
HARRISTON TOWN HARRISTON WELL SUPPLY 220000077	GROUND SOURCE-NO TRTMT		.864 (3.928)	2400	MUNICIPALITY
KITCHENER CITY BRIDGEPORT SUPPLY 220003108	(WATER IS SUPPLIED BY	KITCHENER WSS)			
KITCHENER CITY KITCHENER WELL SUPPLY 220003082	GROUND SOURCE-NO TRTMT		22.000 (100.012)	138682	MUNICIPALITY
LINCOLN TOWN BEAMSVILLE WTP 220001986	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	.900 (4.091)	3400	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE / SCHEME SOURCE	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
MOUNT FOREST TOWN MT.FOREST WELL SUPPLY(ENERG CAP 24 MG) 220000068	GROUND SOURCE-NO TRTMT		2.300 (10.454)	3400	MUNICIPALITY
NANTICOKE CITY JARVIS SUPPLY 220001881	(WATER IS SUPPLIED BY	HALDI/NORFOLK WSS NANTICOKE CITY)			
NANTICOKE CITY PORT DOVER SPRING SUPPLY 220000380	GROUND SOURCE-CHLORINATION (WATER IS ALSO SUPPLIED BY	ON STANDBY (PORT DOVER WSS NANTICOKE CITY)	.240 (1.091)		MUNICIPALITY
NANTICOKE CITY PORT DOVER WSS 220000388	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	2.580 (11.729)	4736	MUNICIPALITY
NANTICOKE CITY STELCO IND. PARK SUPPLY 210001308	(WATER IS SUPPLIED BY CHLORINATION	HALDI/NORFOLK WSS NANTICOKE CITY)			
NANTICOKE CITY WATERFORD WELL SUPPLY 220000[illegible]8	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.778 (3.538)	2488	MUNICIPALITY
NANTICOKE-HALD/NORF CITY HALDIMAND/NORFOLK WSS 210001588	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION		3.000 (13.638)	5800	MINISTRY
NIAGARA FALLS CITY NIAGARA FALLS WTP 220002084	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	NIAGARA RIVER	32.000 (145.472)	70000	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
NIAGARA-ON-THE-LAKE TOWN NIAGARA SUPPLY 220001966	(WATER IS SUPPLIED BY	ST.CATHARINES WSS)			
NIAGARA-ON-THE-LAKE TOWN VIRGIL/ST.DAVID'S WELL SUPPLY (STAND BY) 220001940	GROUND SOURCE-CHLORINATION		2.068 (9.492)	6875	MUNICIPALITY
NORFOLK TOWNSHIP PORT ROWAN WTP 220000888	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	.500 (2.273)	782	MUNICIPALITY
NORFOLK-COURTLAND TOWNSHIP COURTLAND WELL SUPPLY 210001120	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.216 (.982)	525	MINISTRY
NORTH DUMFRIES TOWNSHIP AYR PV WELL SUPPLY 220004108	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.180 (.818)	1200	MUNICIPALITY
GRANBEVILLE TOWN GRANBEVILLE WELL SUPPLY 220003282	GROUND SOURCE-NO TRTMT		4.770 (21.684)	11179	MUNICIPALITY
PALMERSTON TOWN PALMERSTON WELL SUPPLY 220000058	GROUND SOURCE-NO TRTMT		.580 (2.637)	2034	MUNICIPALITY
PARIS TOWN PARIS WELL SUPPLY 220002752	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		3.341 (15.188)	7250	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($10^3 m^3$)	POPULATION SERVED	OPERATED BY
PELHAM TOWN FONTHILL WELL SUPPLY 220001931	GROUND SOURCE-CHEMICAL TRTMT (WATER IS ALSO SUPPLIED BY	WELLAND WSS)	1.000 (4.546)	2760	
PORT COLBORNE CITY PORT COLBORNE WTP 220002075	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	WELLAND SHIP CANAL	6.000 (27.276)	17800	MUNICIPALITY
SHELBURNE VILLAGE SHELBURNE WELL SUPPLY 220004985	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		1.288 (5.848)	2800	MUNICIPALITY
SIMCOE TOWN SIMCOE WELL SUPPLY 220000371	GROUND SOURCE-CHLORINATION		3.380 (15.228)	13000	MUNICIPALITY
SOUTH DUMFRIES TOWNSHIP ST. GEORGE WELL SUPPLY 220002734	GROUND SOURCE-NO TRTMT		1.800 (8.183)	1000	MUNICIPALITY
ST CATHARINES CITY DE CEW WSS 220002068	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	WELLAND SHIP CANAL	42.000 (190.932)	142800	MUNICIPALITY
STONEY CREEK TOWN STONEY CREEK SUPPLY 220003136	(WATER IS SUPPLIED BY FLUORIDATION	HAMILTON WSS)			
THOROLD CITY PORT ROBINSON WTP 220001922	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	WELLAND SHIP CANAL	.154 (.700)	500	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE / SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
THOROLD CITY THOROLD SUPPLY 220004313	(WATER IS SUPPLIED BY CHLORINATION FLUORIDATION	ST.CATHARINES WSS)			
WATERLOO CITY WATERLOO WELL SUPPLY 220000157	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		8.500 (38.641)	56672	MUNICIPALITY
WELLAND CITY WELLAND WSS 220001048	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	WELLAND SHIP CANAL	19.000 (86.374)	48838	MUNICIPALITY
WELLESLEY TOWNSHIP LINWOOD WELL SUPPLY 220000102	GROUND SOURCE-NO TRTMT		.031 (.141)	80	MUNICIPALITY
WELLESLEY TOWNSHIP WELLESLEY HTS. SUBDIVISION WELL SUPPLY 220004218	GROUND SOURCE-CHLORINATION		.100 (.455)	116	MUNICIPALITY
WEST LINCOLN TOWNSHIP SMITHVILLE WELL SUPPLY 220001897	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		.580 (2.637)	1975	MUNICIPALITY
WILMOT TOWNSHIP NEW DUNDEE WELL SUPPLY 220004180	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.080 (.364)	86	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($10^3 m^3$)	POPULATION SERVED	OPERATED BY
WILMOT TOWNSHIP NEW HAMBURG-BADEN WELL SUPPLY 220000111	GROUND SOURCE-CHLORINATION		1.800 (8.183)	4888	MUNICIPALITY
WOOLWICH TOWNSHIP ELMIRA WELL SUPPLY 220000148	GROUND SOURCE-CHLORINATION		4.700 (21.368)	6888	MUNICIPALITY
WOOLWICH TOWNSHIP MARY HILL SUBDIVISION WELL SUPPLY 220004171	GROUND SOURCE-CHLORINATION		.080 (.384)	150	MUNICIPALITY
WOOLWICH TOWNSHIP ST. JACOBS PV WELL SUPPLY 210000014	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION (WATER IS ALSO SUPPLIED BY	ON STANDBY ELMIRA WELL SUPPLY WOOLWICH TOWNSHIP)	.208 (.950)	1300	MUNICIPALITY

WEST CENTRAL REGION

WATER TREATMENT

REGIONAL MUNICIPALITIES

REGIONAL MUNICIPALITIES	CAPACITY 1000m^3	CAPACITY MIGD
HALDIMAND - NORFOLK	155.5	34.2
HAMILTON - WENTWORTH	684.1	150.5
NIAGARA	542.5	119.3
WATERLOO	246.6	54.2
TOTAL	1628.6	358.2

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (10^3M^3)	POPULATION SERVED	OPERATED BY
DELHI TOWNSHIP DELHI WTP 220000415	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	NORTH CREEK	1.500 (6.819)	15080	MUNICIPALITY
DELHI TOWNSHIP LAKEVIEW WTP 220000889	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	LAKE ERIE	.250 (1.137)	1500	MUNICIPALITY
DELHI TOWNSHIP ST WILLIAMS PV WELL SUPPLY 220000870	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.370 (1.682)	400	MUNICIPALITY
DUNNVILLE TOWN DUNNVILLE SUPPLY 220003886	(WATER IS SUPPLIED BY	DUNNVILLE WSS)			
DUNNVILLE TOWN DUNNVILLE WSS 210000185	SURFC SOURCE-CHLORINATION	LAKE ERIE	20.500 (93.193)	5471	MINISTRY
HALDIMAND TOWN CALEDONIA WELL SUPPLY 220001736	GROUND SOURCE-CHLORINATION		.884 (3.109)	4000	MUNICIPALITY
HALDIMAND TOWN CAYUGA WTP 220001717	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	GRAND RIVER	.240 (1.091)	1185	MUNICIPALITY
HALDIMAND TOWN HAGERSVILLE SUPPLY 220001708	(WATER IS SUPPLIED BY	HALDI/NORFOLK WSS HAMTSCOKE CITY)			

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
NANTICOKE CITY JARVIS SUPPLY 220001881	(WATER IS SUPPLIED BY)	(HALDI/NORFOLK WSS)			
NANTICOKE CITY PORT DOVER SPRING SUPPLY 220000380	GROUND SOURCE-CHLORINATION (WATER IS ALSO SUPPLIED BY	ON STANDBY PORT DOVER WSS) NANTICOKE CITY)	.240 (1.091)		MUNICIPALITY
NANTICOKE CITY PORT DOVER WSS 220000380	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	2.580 (11.729)	4736	MUNICIPALITY
NANTICOKE CITY STELCO IND. PARK SUPPLY 210001306	(WATER IS SUPPLIED BY CHLORINATION	HALDI/NORFOLK WSS) NANTICOKE CITY)			
NANTICOKE CITY WATERFORD WELL SUPPLY 220000905	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.778 (3.538)	2489	MUNICIPALITY
NANTICOKE-HALD/NORF CITY HALDIMAND/NORFOLK WSS 210001558	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION		3.000 (13.638)	5600	MINISTRY
NORFOLK TOWNSHIP PORT ROWAN WTP 220000888	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ERIE	.500 (2.273)	782	MUNICIPALITY
NORFOLK-COURTLAND TOWNSHIP COURTLAND WELL SUPPLY 210001120	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.216 (.982)	525	MINISTRY

REGIONAL MUNICIPALITY OF HALDIMAND-NORFOLK

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (10^3m^3)	POPULATION SERVED	OPERATED BY
SIMCOE TOWN SIMCOE WELL SUPPLY 220000371	GROUND SOURCE-CHLORINATION		3.350 (15.229)	13000	MUNICIPALITY
	TOTAL CAPACITY		34.206 (155.500)		

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
ANCASTER TOWN ANCASTER SUPPLY 220004411	(WATER IS SUPPLIED BY FLUORIDATION	HAMILTON WSS)			
DUNDAS TOWN DUNDAS SUPPLY 220003127	(WATER IS SUPPLIED BY FLUORIDATION	HAMILTON WSS)			
FLAMBOROUGH TOWNSHIP FLAMBOROUGH HILLS WELL SUPPLY 220004108	GROUND SOURCE-NO TREATMENT		.300 (1.364)	411	MUNICIPALITY
FLAMBOROUGH TOWNSHIP GREENSVILLE WELL SUPPLY 220004126	GROUND SOURCE-CHLORINATION		.040 (.182)	100	MUNICIPALITY
FLAMBOROUGH TOWNSHIP WATERDOWN SUPPLY 220002271	(WATER IS SUPPLIED BY	BURLINGTON WSS)			
FLAMBOROUGH TOWNSHIP WILDAN ESTATES WELL SUPPLY 220004117	GROUND SOURCE-NO TREATMENT		.150 (.882)	180	MUNICIPALITY
HAMILTON CITY HAMILTON WSS (WOODWARD AVE) 220003118	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	150.000 (681.900)	376074	MUNICIPALITY
STONEY CREEK TOWN STONEY CREEK SUPPLY 220003136	(WATER IS SUPPLIED BY FLUORIDATION	HAMILTON WSS)			
	TOTAL CAPACITY		150.491 (684.132)		

REGIONAL MUNICIPALITY OF NIAGARA

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (10^3M^3)	POPULATION SERVED	OPERATED BY
FORT ERIE TOWN ROSEHILL WTP(BERTIE) 220002020	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	LAKE ERIE	11.000 (50.008)	24000	MUNICIPALITY
GRIMSBY TOWN GRIMSBY WTP 220001995	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	4.600 (20.912)	13400	MUNICIPALITY
LINCOLN TOWN BEAMSVILLE WTP 220001986	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	.900 (4.091)	3400	MUNICIPALITY
NIAGARA FALLS CITY NIAGARA FALLS WTP 220002084	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	NIAGARA RIVER	32.000 (145.472)	70000	MUNICIPALITY
NIAGARA-ON-THE-LAKE TOWN NIAGARA SUPPLY 220001968	(WATER IS SUPPLIED BY	ST.CATHARINES WSS)			
NIAGARA-ON-THE-LAKE TOWN VIRGIL/ST.DAVID'S WELL SUPPLY (STAND BY 220001940	GROUND SOURCE-CHLORINATION		2.088 (9.492)	6875	MUNICIPALITY
PELHAM TOWN FONTHILL WELL SUPPLY 220001931	GROUND SOURCE-CHEMICAL TRTMT (WATER IS ALSO SUPPLIED BY	WELLAND WSS)	1.000 (4.546)	2760	MUNICIPALITY
PORT COLBORNE CITY PORT COLBORNE WTP 220002075	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	WELLAND SHIP CANAL	6.000 (27.276)	17800	MUNICIPALITY

REGIONAL MUNICIPALITY OF NIAGARA

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
ST CATHARINES CITY DE CEW WSS 220002068	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	WELLAND SHIP CANAL	42.000 (190.932)	142900	MUNICIPALITY
THOROLD CITY PORT ROBINSON WTP 220001922	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	WELLAND SHIP CANAL	.154 (.700)	500	MUNICIPALITY
THOROLD CITY THOROLD SUPPLY 220004313	(WATER IS SUPPLIED BY CHLORINATION FLUORIDATION	ST CATHARINES WSS)			
WELLAND CITY WELLAND WSS 220002048	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	WELLAND SHIP CANAL	19.000 (86.374)	48838	MUNICIPALITY
WEST LINCOLN TOWNSHIP SMITHVILLE WELL SUPPLY 220001897	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		.580 (2.637)	1975	MUNICIPALITY
	TOTAL CAPACITY		119.324 (542 447)		

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD ($10^3 m^3$)	POPULATION SERVED	OPERATED BY
CAMBRIDGE CITY CAMBRIDGE WELL SUPPLY 220000166	GROUND SOURCE-CHLORINATION		16.560 (75.282)	78505	MUNICIPALITY
KITCHENER CITY BRIDGEPORT SUPPLY 220003109	(WATER IS SUPPLIED BY	KITCHENER WSS)			
KITCHENER CITY KITCHENER WELL SUPPLY 220003092	GROUND SOURCE-NO TREATMENT		22.000 (100.012)	138271	MUNICIPALITY
NORTH DUMFRIES TOWNSHIP AYR PV WELL SUPPLY 220004198	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.180 (.818)	1200	MUNICIPALITY
WATERLOO CITY WATERLOO WELL SUPPLY 220000157	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		8.500 (38.641)	54157	MUNICIPALITY
WELLESLEY TOWNSHIP LINWOOD WELL SUPPLY 220000102	GROUND SOURCE-NO TREATMENT		.031 (.141)	80	MUNICIPALITY
WELLESLEY TOWNSHIP WELLESLEY HTS. SUBDIVISION WELL SUPPLY 220004215	GROUND SOURCE-CHLORINATION		.100 (.455)	116	MUNICIPALITY
WILMOT TOWNSHIP NEW DUNDEE WELL SUPPLY 220004180	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.080 (.364)	88	MUNICIPALITY

REGIONAL MUNICIPALITY OF WATERLOO

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (1000M 3)	POPULATION SERVED	OPERATED BY
WILMOT TOWNSHIP NEW HAMBURG-BADEN WELL SUPPLY 220000111	GROUND SOURCE-CHLORINATION		1.800 (8.183)	4588	MUNICIPALITY
WOOLWICH TOWNSHIP ELMIRA WELL SUPPLY 220000148	GROUND SOURCE-CHLORINATION		4.700 (21.366)	6868	MUNICIPALITY
WOOLWICH TOWNSHIP MARY HILL SUBDIVISION WELL SUPPLY 220004171	GROUND SOURCE-CHLORINATION		.080 (.364)	150	MUNICIPALITY
WOOLWICH TOWNSHIP ST. JACOBS PV WELL SUPPLY 210000014	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION (WATER IS ALSO SUPPLIED BY	ON STANDBY ELMIRA WELL SUPPLY WOOLWICH TOWNSHIP)	.209 (.850)	1300	MUNICIPALITY
	TOTAL CAPACITY		54.240 (246.575)		

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (10^3 m³)	POPULATION SERVED	OPERATED BY
WILMOT TOWNSHIP NEW HAMBURG-BADEN WELL SUPPLY 220000111	GROUND SOURCE-CHLORINATION		1.800 (8.183)	4888	MUNICIPALITY
WOOLWICH TOWNSHIP ELMIRA WELL SUPPLY 220000148	GROUND SOURCE-CHLORINATION		4.700 (21.368)	6868	MUNICIPALITY
WOOLWICH TOWNSHIP MARY HILL SUBDIVISION WELL SUPPLY 220004171	GROUND SOURCE-CHLORINATION		.080 (.364)	150	MUNICIPALITY
WOOLWICH TOWNSHIP ST. JACOBS PW WELL SUPPLY 210000014	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION (WATER IS ALSO SUPPLIED BY	ON STANDBY ELMIRA WELL SUPPLY WOOLWICH TOWNSHIP)	.209 (.850)	1300	MUNICIPALITY
	TOTAL CAPACITY		54.240 (246.575)		

WEST CENTRAL REGION

AREA WATER SUPPLY SYSTEMS

TOTAL AREA WATER SUPPLY SYSTEMS	TOTAL CAPACITY	
	$1000m^3$	MIGD
TWO	697.8	153.5

SYSTEM: HALDIMAND/NORFOLK WATER SUPPLY SYSTEM 210001558

Number of Plants: One
Operated by: Ministry of the Environment

Number of Municipalities Served: Two

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
NANTICOKE CITY	Screening Coagulation Flocculation Direct Filtration Chlorination	*3.5 MIGD (15.9 1000M^3)	Nanticoke City - Jarvis Supply - Stelco Ind. Park - Townsend Haldimand Town - Hagersville	Lake Erie

*Note: This capacity relates to the potable water supply only.
Stelco + Texico's industrial capacity amounts to 66.0 MIGD.

SYSTEM: HAMILTON WATER SUPPLY SYSTEM 210003118

Number of Plants: One
Operated by: Regional Municipality of Hamilton-Wentworth

Number of Municipalities Served: Four

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
HAMILTON CITY (Woodward Ave. Plant)	Screening Coagulation Flocculation Sedimentation Filtration Chlorination Fluoridation	150.0 MIGD (681.9 1000M^3)	Hamilton City Ancaster Town Dundas Town Stoney Creek Town	Lake Ontario

Central Region ③

Ministry of the Environment
Ontario

REGIONAL OFFICE
DON MILLS
150 Ferrand Dr.
416-424-3000

DISTRICT OFFICES
Barrie
12 Fairview Rd.
705-726-1730
Muskoka-Haliburton
Gravenhurst Shopping Centre
705-687-3408
Peterborough
139 George St. N.
705-743-2972
Halton-Peel
1226 White Oaks Blvd.
Oakville
416-844-5747

SUB-OFFICE
Huntsville
100 Main St. E.
705-789-2386

Ministry of the Environment
Ontario

Central Region

③

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7 Overlea Blvd.
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CENTRAL REGION SUMMARY

TREATMENT TYPE	<--- NUMBER --->			<-- ** CAPACITY MIGD (10^3 M^3) -->		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
GROUND SOURCE - NO TREATMENT	0	35	35	.000	14.201	14.201 (64.568)
GROUND SOURCE - CHLORINATION ONLY	1	31	32	.108	14.049	14.157 (64.367)
GROUND SOURCE - CHEMICAL TRTMT	2	27	29	2.562	30.322	32.884 (149.481)
GROUND SOURCE - PHYSICAL TRTMT	0	0	0	.000	.000	.000 (.000)
GROUND SOURCE - PHY+CHEM TRTMT	1	6	7	.200	15.192	15.392 (69.972)
SURFACE SOURCE - CHLORINATION ONLY	0	8	8	.000	15.241	15.241 (69.286)
SURFACE SOURCE - CHEMICAL TRTMT	0	1	1	.000	.010	.010 (.046)
SURFACE SOURCE - PHYSICAL TRTMT	0	0	0	.000	.000	.000 (.000)
SURFACE SOURCE - PHY+CHEM TRTMT	7	23	30	128.802	639.758	768.560 (3,493.673)
**** TOTALS ****	11	131	142	131.672 (598.580)	728.775 (3,313.002)	860.445 (3,911.583)

CHEMICAL TREATMENT : PROCESSES SUCH AS COAGULATION, FLOCCULATION AND FLUORIDATION WHICH USE CHEMICAL AIDS COME UNDER THIS CATAGORY. ALSO INCLUDED ARE THE CHEMICAL REMOVAL PROCESSES LIKE IRON REMOVAL.

PHYSICAL TREATMENT : PROCESSES USING MECHANICAL AIDS SUCH AS SCREENING, SEDIMENTATION AND FILTRATION COME UNDER THIS CATAGORY.

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY
10^3 M^3 :THOUSANDS OF CUBIC METRES

CONVERSION FACTOR
1 MGD = 4.546 10^3 M^3

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (m^3/d)	POPULATION SERVED	OPERATED BY
ADJALA TOWNSHIP HOCKLEY SUBD WELL SUPPLY 220005036	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL	.	.042 (.195)	10	MUNICIPALITY
ADJALA TOWNSHIP LORETTO HEIGHTS WELL SUPPLY 220005045	GROUND SOURCE-CHLORINATION	.	.043 (.195)	80	MUNICIPALITY
ADJALA TOWNSHIP ROSEMONT WELL SUPPLY 220003859	GROUND SOURCE-CHLORINATION		.013 (.059)	170	MUNICIPALITY
AJAX TOWN AJAX SUPPLY (STAND BY) 220002978	(WATER IS SUPPLIED BY FLUORIDATION	DSHAWA WSS)			
ALLISTON TOWN ALLISTON WELL SUPPLY 220001174	GROUND SOURCE-NO TRTMT		1.610 (7.318)	5000	MUNICIPALITY
ANSON HINDON & MINDEN TOWNSHIP ANSON HINDON & MINDEN MUN WELL SUPPLY 210000194	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		.269 (1.223)	1400	MUNICIPALITY
AURORA TOWN AURORA WELL SUPPLY 220002440	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		3.740 (17.002)	15000	MUNICIPALITY
BARRIE CITY BARRIE WELL SUPPLY 220001192	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		13.580 (61.735)	38000	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE / SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
BARRIE CITY BAYSHORE EST WELL SUPPLY 220005009	GROUND SOURCE-NO TRTMT		.036 (.164)	880	MUNICIPALITY
BARRIE CITY BIG BAY WELL SUPPLY 220004484	GROUND SOURCE-NO TRTMT		.234 (1.064)	252	MUNICIPALITY
BARRIE CITY TOLLENDAL WOODS WELL SUPPLY 220005018	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		.122 (.555)	210	MUNICIPALITY
BEETON VILLAGE BEETON WELL SUPPLY 220001129	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.532 (2.418)	2000	MUNICIPALITY
BICROFT TOWNSHIP CARDIFF TOWNSITE WELL SUPPLY 220001682	GROUND SOURCE-NO TRTMT		.144 (.655)	917	MUNICIPALITY
BOBCAYGEON VILLAGE BOBCAYGEON WTP 210000318	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	BOBCAYGEON RIVER	1.122 (5.100)	1163	MINISTRY
BRACEBRIDGE TOWN BRACEBRIDGE WTP 220004956	GROUND SOURCE-CHLORINATION SURFACE SOURCE - CHLORINATION CHLORINATION	LAKE MUSKOKA	1.850 (8.410)	7886	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
BRAMPTON CITY BRAMPTON SUPPLY 210000531	(WATER IS SUPPLIED BY	SOUTH PEEL AREA WSS)			
BRIGHTON VILLAGE BRIGHTON WELL SUPPLY 220000807	GROUND SOURCE-CHLORINATION		1.100 (5.001)	3300	MUNICIPALITY
BROCK TOWNSHIP BEAVERTON WTP 220004929	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE SIMCOE	1.600 (7.274)	2257	MUNICIPALITY
BROCK TOWNSHIP CANNINGTON WELL SUPPLY 220000745	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.374 (1.700)	1784	MUNICIPALITY
BROCK TOWNSHIP SUNDERLAND PV WELL SUPPLY 220004910	GROUND SOURCE-NO TRTMT		.468 (2.128)	748	MUNICIPALITY
BURLINGTON CITY BURLINGTON WTP 220001884	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	31.000 (140.928)	110353	MUNICIPALITY
CALEDON TOWN ALTON WELL SUPPLY 220003831	GROUND SOURCE-CHLORINATION		.276 (1.255)	25	MUNICIPALITY
CALEDON TOWN BOLTON WELL SUPPLY 220004938	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		1.224 (5.564)	7959	MUNICIPALITY

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
CALEDON TOWN CALEDON EAST WELL SUPPLY 220004947	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		.800 (3.637)	1425	MUNICIPALITY
CALEDON TOWN CALEDON HAMLET WELL SUPPLY 220004000	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.144 (.655)	754	MUNICIPALITY
CALEDON TOWN CENTREVILLE (FOOTHILL FARM) WELL SUPPLY 220004028	GROUND SOURCE-CHLORINATION		.108 (.491)	112	MUNICIPALITY
CALEDON TOWN FARMERS LANE WELL SUPPLY 220004019	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.036 (.164)	25	MUNICIPALITY
CALEDON TOWN GRANITE STONES WELL SUPPLY 220003840	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.072 (.327)	43	MUNICIPALITY
CALEDON TOWN INGLEWOOD WELL SUPPLY 220004037	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.240 (1.091)	187	MUNICIPALITY
CALEDON TOWN MCCLEOD (SUB) WELL SUPPLY 220003822	GROUND SOURCE-CHLORINATION		.023 (.105)	83	MUNICIPALITY
CALEDON TOWN MONO MILLS WELL SUPPLY 220003984	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.079 (.359)	774	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
CALEDON TOWN PALGRAVE WELL SUPPLY 220003993	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.850 (3.864)	1231	MUNICIPALITY
CAMPBELLFORD TOWN CAMPBELLFORD WTP 220000834	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	TRENT RIVER	1.250 (5.683)	3545	MUNICIPALITY
COBOURG TOWN COBOURG WTP 220000525	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	8.000 (36.368)	13058	MUNICIPALITY
COLBORNE VILLAGE COLBORNE WELL SUPPLY 220000790	GROUND SOURCE-CHLORINATION		1.000 (4.546)	1914	MUNICIPALITY
COLDWATER VILLAGE COLDWATER WELL SUPPLY 220001110	GROUND SOURCE-CHLORINATION		.125 (.568)	825	MUNICIPALITY
COLLINGWOOD TOWN COLLINGWOOD WTP 220001185	SURFACE SOURCE-CHLORINATION	GEORGIAN BAY	10.500 (47.733)	11730	MUNICIPALITY
COOKSTOWN VILLAGE COOKSTOWN WELL SUPPLY 210000893	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.262 (1.191)	900	MINISTRY
CREEMORE VILLAGE CREEMORE WELL SUPPLY 220001101	GROUND SOURCE-CHLORINATION		.324 (1.473)	1159	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (1000M 3)	POPULATION SERVED	OPERATED BY
EAST YORK BOROUGH EAST YORK SUPPLY 220004509	(WATER IS SUPPLIED BY FLUORIDATION	METRO TORONTO AREA WSS)			
EAST GWILLIMBURY TOWNSHIP HOLLAND LANDING WSS 220004046	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.504 (2.291)	2200	MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP MOUNT ALBERT WELL SUPPLY 220006543	GROUND SOURCE-CHLORINATION	LAKE ERIE	.500 (2.273)	1100	MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP SHARON SUPPLY 220002315	(WATER IS SUPPLIED BY	HOLLAND LANDING WSS)			
ELMVALE VILLAGE ELMVALE WELL SUPPLY 210000700	GROUND SOURCE-CHLORINATION		.630 (2.864)	1200	MUNICIPALITY
ESSA TOWNSHIP ROBSON SUBD ANGUS WELL SUPPLY 220005054	GROUND SOURCE-CHLORINATION	.	.357 (1.623)	426	MUNICIPALITY
ETOBICOKE CITY ETOBICOKE SUPPLY 220004493	(WATER IS SUPPLIED BY FLUORIDATION	METRO TORONTO AREA WSS)			
FENELON FALLS VILLAGE FENELON FALLS WTP 210000327	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	CAMERON LAKE	.825 (3.750)	1631	MINISTRY
GEORGIAN BAY TOWNSHIP MAC TIER WTP 220004224	SURFACE SOURCE-CHLORINATION	STEWART LAKE	.060 (.273)	735	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
GEORGINA TOWNSHIP KESWICK WTP 210003280	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE SIMCOE	3.420 (15.547)	4500	MUNICIPALITY
GEORGINA TOWNSHIP KESWICK WELL SUPPLY 220004251	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION		3.454 (15.702)	4000	MUNICIPALITY
GEORGINA TOWNSHIP SUTTON WTP 220002324	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE SIMCOE	1.000 (4.546)	4000	MUNICIPALITY
GRAVENHURST TOWN GRAVENHURST W.T.P (NEW PLANT IN 84) 220002100	SURFACE SOURCE-CHLORINATION GROUND SOURCE-CHEMICAL TRTMT CHLORINATION	BULL LAKE	2.520 (11.456)	6917	MUNICIPALITY
HALTON HILLS TOWN ACTON WELL SUPPLY 220001873	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		2.100 (9.547)	7302	MUNICIPALITY
HALTON HILLS TOWN GEORGETOWN WELL SUPPLY 220001855	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION		6.800 (30.913)	18116	MUNICIPALITY
HASTINGS VILLAGE HASTINGS WTP 210000470	SURFACE SOURCE-CHLORINATION	TRENT RIVER	.589 (2.678)	975	MUNICIPALITY
HAVELOCK VILLAGE HAVELOCK WELL SUPPLY 210000595	GROUND SOURCE-CHLORINATION		.216 (.982)	1293	MUNICIPALITY
HUNTSVILLE TOWN HIDDEN VALLEY WTP 220003868	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	PENINSULA LAKE	.310 (1.409)	857	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
HUNTSVILLE TOWN HUNTSVILLE WTP 220002093	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE VERNON	.950 (4.319)	5796	MUNICIPALITY
INNISFIL TOWNSHIP CHURCHILL EST WELL SUPPLY 220005063	GROUND SOURCE-CHLORINATION	.	.086 (.391)	105	MUNICIPALITY
INNISFIL TOWNSHIP GOLF HAVEN ESTATES WELL SUPPLY 220005072	GROUND SOURCE-CHLORINATION	.	.148 (.673)	425	MUNICIPALITY
INNISFIL TOWNSHIP INNISFIL HEIGHTS WELL SUPPLY 220005081	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL	.	.936 (4.255)	100	MUNICIPALITY
INNISFIL TOWNSHIP STROUD WELL SUPPLY 220005090	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION	.	.257 (1.168)	390	MUNICIPALITY
INNISFIL TOWNSHIP THORNTON WELL SUPPLY 220003902	GROUND SOURCE-CHLORINATION		.066 (.300)	84	MUNICIPALITY
KING TOWNSHIP KING CITY WELL SUPPLY 220002299	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.800 (3.637)	2700	MUNICIPALITY
KING TOWNSHIP NOBLETON WELL SUPPLY 220002306	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.797 (3.623)	950	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE / SCHEME SOURCE	CAPACITY MIGD (10^3 m³)	POPULATION SERVED	OPERATED BY
KING TOWNSHIP SCHOMBERG WELL SUPPLY 220004801	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.216 (.982)	950	MUNICIPALITY
LAKEFIELD VILLAGE LAKEFIELD WTP 220000488	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	OTONABEE RIVER	.504 (2.291)	2300	MUNICIPALITY
LINDSAY TOWN LINDSAY WTP 220000178	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	SCUGOG RIVER	5.000 (22.730)	13950	MUNICIPALITY
MARA TOWNSHIP BRECHIN WTP (LAGOON CITY) 210001273	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE SIMCOE	.880 (4.000)	1350	MINISTRY
MARKHAM TOWN MARKHAM SUPPLY 220004182	(WATER IS SUPPLIED BY FLUORIDATION	METRO TORONTO AREA WSS)			
MEDONTE TOWNSHIP HILLSDALE WELL SUPPLY 220003911	GROUND SOURCE-NO TRTMT		.288 (1.309)	400	MUNICIPALITY
MEDONTE TOWNSHIP MEDONTE HILLS(GELLENY SUBD)WELL SUPPLY 220003920	GROUND SOURCE-NO TRTMT		.158 (.718)	234	MUNICIPALITY
MEDONTE TOWNSHIP MOONSTONE WELL SUPPLY 220003939	GROUND SOURCE-NO TRTMT		.043 (.195)	150	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (10^3M^3)	POPULATION SERVED	OPERATED BY
MEDONTE TOWNSHIP WARMINSTER WELL SUPPLY 220005125	GROUND SOURCE-NO TRTMT	.	.216 (.982)	613	MUNICIPALITY
METRO TORONTO CITY EASTERLY WTP (SCARBOROUGH) 220004536	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	100.000 (454.600)	200204	MUNICIPALITY
METRO TORONTO CITY ISLAND WTP (TORONTO) 220002244	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	60.000 (272.760)	248085	MUNICIPALITY
METRO TORONTO CITY R.C. HARRIS WTP (TORONTO) 220002262	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	220.000 (1000.120)	1315341	MUNICIPALITY
METRO TORONTO CITY R.L. CLARK WTP (ETOBICOKE) 220002253	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	100.000 (454.600)	512415	MUNICIPALITY
MIDLAND TOWN MIDLAND WELL SUPPLY 220001156	GROUND SOURCE-CHLORINATION		3.280 (14.911)	12000	MUNICIPALITY
MILLBROOK VILLAGE MILLBROOK WELL SUPPLY 220000781	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION CORROSION CONTROL		.200 (.900)	945	MINISTRY
MILTON TOWN MILTON WELL SUPPLY 220001648	GROUND SOURCE-NO TRTMT		4.000 (18.184)	20048	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (10^3M)	POPULATION SERVED	OPERATED BY
MISSISSAUGA S-PEEL CITY SOUTH PEEL WSS (LAKEVIEW) 210000566	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	75.000 (340.850)	515000	MINISTRY
MISSISSAUGA S-PEEL CITY SOUTH PEEL WSS(LORNE PARK) 210001317	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	50.000 (227.300)	120000	MINISTRY
MUSKOKA LAKES TOWNSHIP BALA WTP 220001888	SURFACE SOURCE-CHLORINATION	LAKE MUSKOKA	.446 (2.028)	1302	MUNICIPALITY
MUSKOKA LAKES TOWNSHIP PORT CARLING WTP 220002119	SURFACE SOURCE-CHLORINATION	INDIAN RIVER	.300 (1.364)	907	MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE WELL SUPPLY 220000852	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.350 (1.591)		MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE WTP 220000851	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	4.000 (18.184)	13203	MUNICIPALITY
NEWCASTLE TOWN ORONO WELL SUPPLY 220004769	GROUND SOURCE-CHLORINATION		.252 (1.146)	1140	MUNICIPALITY
NEWMARKET TOWN NEWMARKET/GWILLIMBURY WELL SUPPLY 220002413	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		3.850 (18.593)	28500	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
NORTH YORK CITY NORTH YORK SUPPLY 220004457	(WATER IS SUPPLIED BY FLUORIDATION	METRO TORONTO AREA WSS)			
NORWOOD VILLAGE NORWOOD WELL SUPPLY 220000479	GROUND SOURCE-NO TRTMT		.288 (1.309)	1500	MUNICIPALITY
OAKVILLE TOWN OAKVILLE WTP 220001637	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	18.000 (81.828)	74273	MUNICIPALITY
ORILLIA TOWNSHIP BASS LAKE WELL SUPPLY 220005143	GROUND SOURCE-NO TRTMT	.	.065 (.295)	175	MUNICIPALITY
ORILLIA TOWNSHIP MAPLEWOOD EST WELL SUPPLY 220004135	GROUND SOURCE-NO TRTMT		.036 (.164)	36	MUNICIPALITY
ORILLIA CITY ORILLIA WTP 220001183	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION GROUND SOURCE-CHLORINATION ONLY	LAKE COUCHICHING	6.000 (27.276)	23000	MUNICIPALITY
ORILLIA TOWNSHIP SAND CASTLE WELL SUPPLY 220004153	GROUND SOURCE-NO TRTMT		.002 (.009)	109	MUNICIPALITY
ORILLIA TOWNSHIP SEVERN ESTATES WELL SUPPLY 220005152	GROUND SOURCE-NO TRTMT	.	.022 (.100)	60	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
ORILLIA TOWNSHIP WASHAGO WTP 220005161	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION	SEVERN RIVER	.010 (.045)	500	MUNICIPALITY
ORO TOWNSHIP SHANTY BAY WELL SUPPLY 220005188	GROUND SOURCE-CHLORINATION	.	.260 (1.182)	213	MUNICIPALITY
OSHAWA CITY OSHAWA WSS 220000772	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	30.000 (136.380)	211844	MUNICIPALITY
PENETANGUISHENE TOWN PENETANGUISHENE WELL SUPPLY 220001147	GROUND SOURCE-NO TRTMT		1.600 (7.274)	5300	MUNICIPALITY
PERCY WARKWORTH TOWNSHIP WARKWORTH WTP 210000498	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	MILL CREEK	.100 (.455)	480	MINISTRY
PETERBOROUGH CITY PETERBOROUGH WSS 220000497	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	OTONABEE RIVER	24.000 (109.104)	59000	MUNICIPALITY
PICKERING TOWN PICKERING SUPPLY 220004055	(WATER IS SUPPLIED BY FLUORIDATION	OSHAWA WSS)			
PORT HOPE TOWN PORT HOPE WTP 220000818	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	4.420 (20.093)	10128	MUNICIPALITY
PORT MCNICOLL VILLAGE PORT MCNICOLL WTP 220001094	SURFACE SOURCE-CHLORINATION	GEORGIAN BAY	.704 (3.200)	1932	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (10^3 m^3)	POPULATION SERVED	OPERATED BY
RICHMOND HILL TOWN RICHMOND HILL (OAK RIDGES) WELL SUPPLY 220004849	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.540 (2.455)	4500	MUNICIPALITY
RICHMOND HILL TOWN RICHMOND HILL SUPPLY 220004858	(WATER IS SUPPLIED BY FLUORIDATION	METRO TORONTO AREA WSS)			
SCARBOROUGH CITY SCARBOROUGH SUPPLY 220003813	(WATER IS SUPPLIED BY FLUORIDATION	METRO TORONTO AREA WSS)			
SCUGOG TOWNSHIP BLACKSTOCK WELL SUPPLY 220003751	GROUND SOURCE-CHLORINATION		.245 (1.114)	490	MUNICIPALITY
SCUGOG TOWNSHIP GREENBANK WELL SUPPLY 220003760	GROUND SOURCE-CHLORINATION		.060 (.273)	120	MUNICIPALITY
SCUGOG TOWNSHIP PORT PERRY WELL SUPPLY 220004830	GROUND SOURCE-NO TRTMT		2.016 (9.165)	4155	MUNICIPALITY
SMITH TOWNSHIP WOODLAND ACRES ETC. SUBDV'N SUPPLY 210001503	(WATER IS SUPPLIED BY	PETERBOROUGH WSS)			
STAYNER TOWN STAYNER WELL SUPPLY 220001138	GROUND SOURCE-CHLORINATION		.830 (3.773)	2600	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
SUNNIDALE TOWNSHIP NEW-LOWELL WELL SUPPLY 220003706	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.144 (.655)	78	MUNICIPALITY
SUNNIDALE TOWNSHIP SUNNIDALE GARDENS WELL SUPPLY 220005205	GROUND SOURCE-CHLORINATION	.	.144 (.655)	84	MUNICIPALITY
TAY TOWNSHIP BAY BERRY EST WELL SUPPLY 220003214	GROUND SOURCE-CHLORINATION	.	.144 (.655)	140	MUNICIPALITY
TAY TOWNSHIP MIDLAND BAY WOODS WELL SUPPLY 220005223	GROUND SOURCE-CHLORINATION	.	.020 (.091)	245	MUNICIPALITY
TAY TOWNSHIP PORTAGE PARK WELL SUPPLY 220005232	GROUND SOURCE-CHLORINATION	.	.075 (.341)	220	MUNICIPALITY
TAY TOWNSHIP SUNNYSIDE SUBD WELL SUPPLY 220001058	GROUND SOURCE-CHLORINATION		.331 (1.505)	735	MUNICIPALITY
TAY TOWNSHIP WAUBASHENE WTP 220001067	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	GEORGIAN BAY	.270 (1.227)	1350	MUNICIPALITY
TECUMSETH TOWNSHIP BOND HEAD WELL SUPPLY 220005241	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL	.	.118 (.536)	500	MUNICIPALITY

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
TINY TOWNSHIP ASSELIN MEADOWS WELL SUPPLY 220005250	GROUND SOURCE-NO TRTMT	.	.390 (1.773)	75	MUNICIPALITY
TINY TOWNSHIP BLUE WATER-BELVEDERE WELL SUPPLY 220005269	GROUND SOURCE-NO TRTMT	.	.216 (.982)	10	MUNICIPALITY
TINY TOWNSHIP COOKS LAKE WELL SUPPLY 220005278	GROUND SOURCE-NO TRTMT	.	.108 (.491)	224	MUNICIPALITY
TINY TOWNSHIP GEORGIAN BAY EST WELL SUPPLY 220005287	GROUND SOURCE-NO TRTMT	.	.209 (.950)	370	MUNICIPALITY
TINY TOWNSHIP GEORGIAN HIGHLANDS WELL SUPPLY 220005296	GROUND SOURCE-NO TRTMT	.	.158 (.718)	214	MUNICIPALITY
TINY TOWNSHIP GEORGIAN SANDS WELL SUPPLY 220005303	GROUND SOURCE-NO TRTMT	.	.674 (3.064)	1250	MUNICIPALITY
TINY TOWNSHIP LARGE DEV WELL SUPPLY(STANDBY-WYEVALE P 220005312	GROUND SOURCE-NO TRTMT	.	.050 (.227)		MUNICIPALITY
TINY TOWNSHIP LE FAIVE WELL SUPPLY 220005321	GROUND SOURCE-NO TRTMT	.	.072 (.327)	165	MUNICIPALITY

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (10^3 m^3)	POPULATION SERVED	OPERATED BY
TINY TOWNSHIP PENNORTH EST WELL SUPPLY 220005358	GROUND SOURCE-NO TRTMT		.036 (.164)	94	MUNICIPALITY
TINY TOWNSHIP PINE FOREST EST WELL SUPPLY 220005349	GROUND SOURCE-NO TRTMT		.216 (.982)	80	MUNICIPALITY
TINY TOWNSHIP RAYKO WELL SUPPLY 220005367	GROUND SOURCE-NO TRTMT		.043 (.195)	74	MUNICIPALITY
TINY TOWNSHIP SAND CASTLE EST WELL SUPPLY 220005376	GROUND SOURCE-NO TRTMT		.130 (.591)	39	MUNICIPALITY
TINY TOWNSHIP TEEPEE POINT WELL SUPPLY 220005394	GROUND SOURCE-NO TRTMT		.069 (.314)	290	MUNICIPALITY
TINY TOWNSHIP VANIER WOODS WELL SUPPLY 220005401	GROUND SOURCE-NO TRTMT		.148 (.673)	25	MUNICIPALITY
TINY TOWNSHIP WYEVALE PINES EST WELL SUPPLY 220005410	GROUND SOURCE-NO TRTMT		.110 (.500)	140	MUNICIPALITY
TORONTO CITY TORONTO SUPPLY 220003804	(WATER IS SUPPLIED BY FLUORIDATION	METRO TORONTO AREA WSS)			

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
TOSORONTIO TOWNSHIP LISLE WELL SUPPLY 220005438	GROUND SOURCE-CHLORINATION	.	.144 (.655)	40	MUNICIPALITY
TOSORONTIO (GROHAL) TOWNSHIP EVERETT WELL SUPPLY 220005429	GROUND SOURCE-CHLORINATION	.	.115 (.523)	157	MUNICIPALITY
TOTTENHAM VILLAGE TOTTENHAM WELL SUPPLY 220001085	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		1.728 (7.855)	3000	MUNICIPALITY
UXBRIDGE TOWNSHIP UXBRIDGE WELL SUPPLY 220000783	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.828 (3.764)	3280	MUNICIPALITY
VAUGHAN TOWN KLEINBURG WELL SUPPLY 220002380	GROUND SOURCE-CHLORINATION		.216 (.982)	1300	MUNICIPALITY
VAUGHAN TOWN VAUGHAN SUPPLY 220004439	(WATER IS SUPPLIED BY FLUORIDATION	METRO TORONTO AREA WSS)			
VAUGHAN TOWN WOODBRIGE SUPPLY 220002342	(WATER IS SUPPLIED BY FLUORIDATION	METRO TORONTO AREA WSS)			
VESPRA TOWNSHIP ANTEN MILLS WELL SUPPLY 220005447	GROUND SOURCE-NO TRTMT	.	.173 (.786)	100	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
VESPRA TOWNSHIP EIGHTH LINE DIV WELL SUPPLY 220005456	GROUND SOURCE-NO TRTMT	.	.043 (.195)	90	MUNICIPALITY
VESPRA TOWNSHIP MIDHURST WELL SUPPLY 220005474	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION	.	.187 (.850)	787	MUNICIPALITY
VESPRA TOWNSHIP MINESING WELL SUPPLY 220005485	GROUND SOURCE-NO TRTMT	.	.130 (.591)	280	MUNICIPALITY
VICTORIA HARBOUR VILLAGE VICTORIA HARBOUR WTP 220001078	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	GEORGIAN BAY	.875 (3.978)	1187	MINISTRY
WASAGA BEACH TOWN ISLANDVIEW CR SUBD WELL SUPPLY 220005483	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	.	.034 (.155)	60	MUNICIPALITY
WASAGA BEACH TOWN WASAGA BEACH MUN WELL SUPPLY 220002137	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		2.300 (10.456)	2717	MINISTRY
WHITBY TOWN BROOKLIN WELL SUPPLY 220004778	GROUND SOURCE CHEM TRTMT CHLORINATION		.158 (.718)	1767	MUNICIPALITY
WHITBY TOWN WHITBY WTP (STANDBY) 220000754	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION (WATER IS SUPPLIED BY	LAKE ONTARIO OSHAWA WSS)	30.000 (136.380)		MUNICIPALITY
WHITCHURCH-STOUFFVILLE TOWN STOUFFVILLE WELL SUPPLY 220002333	GROUND SOURCE-CHLORINATION		1.190 (5.410)	5500	MUNICIPALITY

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
WOODVILLE VILLAGE WOODVILLE WELL SUPPLY 210001077	GROUND SOURCE-CHLORINATION		.108 (.491)	462	MINISTRY
YORK CITY YORK SUPPLY 220004448	(WATER IS SUPPLIED BY) FLUORIDATION	(METRO TORONTO AREA WSS)			MUNICIPALITY

CENTRAL REGION

WATER TREATMENT

REGIONAL MUNICIPALITIES

REGIONAL MUNICIPALITIES	CAPACITY	
	$1000m^3$	MIGD
DURHAM	319.8	70.4
HALTON	281.4	61.9
METROPOLITAN TORONTO	2182.1	480.0
PEEL	585.8	128.8
YORK	91.1	20.0
DISTRICT MUNICIPALITY OF MUSKOKA	29.3	6.4
TOTAL	3489.5	767.5

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (10^3 M^3)	POPULATION SERVED	OPERATED BY
AJAX TOWN AJAX SUPPLY (STAND BY) 220002976	(WATER IS SUPPLIED BY FLUORIDATION	(OSHAWA WSS)			
BROCK TOWNSHIP BEAVERTON WTP 220004929	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE SIMCOE	1.600 (7.274)	2257	MUNICIPALITY
BROCK TOWNSHIP CANNINGTON WELL SUPPLY 220000745	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.374 (1.700)	1784	MUNICIPALITY
BROCK TOWNSHIP SUNDERLAND PV WELL SUPPLY 220004910	GROUND SOURCE-NO TREATMENT		.468 (2.128)	748	MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE WELL SUPPLY 220000852	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.350 (1.591)	NOT AVAILABLE	MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE WTP 220000851	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	4.000 (18.184)	13203	MUNICIPALITY
NEWCASTLE TOWN ORONO WELL SUPPLY 220004769	GROUND SOURCE-CHLORINATION		.252 (1.146)	1140	MUNICIPALITY
OSHAWA CITY OSHAWA WSS 220000772	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	30.000 (136.380)	211644	MUNICIPALITY
PICKERING TOWN PICKERING SUPPLY 220000816	(WATER IS SUPPLIED BY FLUORIDATION	(OSHAWA WSS)			

REGIONAL MUNICIPALITY OF DURHAM

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (1000M 3)	POPULATION SERVED	OPERATED BY
SCUGOG TOWNSHIP BLACKSTOCK WELL SUPPLY 220003751	GROUND SOURCE-CHLORINATION		.246 (1.114)	480	MUNICIPALITY
SCUGOG TOWNSHIP GREENBANK WELL SUPPLY 220003780	GROUND SOURCE-CHLORINATION		.060 (.273)	120	MUNICIPALITY
SCUGOG TOWNSHIP PORT PERRY WELL SUPPLY 220004830	GROUND SOURCE-NO TREATMENT		2.016 (9.165)	4155	MUNICIPALITY
UXBRIDGE TOWNSHIP UXBRIDGE WELL SUPPLY 220000783	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.828 (3.764)	3280	MUNICIPALITY
WHITBY TOWN BROOKLIN WELL SUPPLY 220004778	GROUND SOURCE-CHEM TRTMT CHLORINATION		.158 (.718)	1767	MUNICIPALITY
WHITBY TOWN WHITBY WTP (STANDBY) 220000754	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION (WATER IS SUPPLIED BY	LAKE ONTARIO (OSHAWA WSS)	30.000 (136.380)		MUNICIPALITY
	TOTAL CAPACITY		70.351 (319.815)		

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (1000M^3)	POPULATION SERVED	OPERATED BY
BURLINGTON CITY BURLINGTON WTP 220001664	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	31.000 (140.926)	110353	MUNICIPALITY
HALTON HILLS TOWN ACTON WELL SUPPLY 220001673	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		2.100 (9.547)	7302	MUNICIPALITY
HALTON HILLS TOWN GEORGETOWN WELL SUPPLY 220001655	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION		6.800 (30.913)	18116	MUNICIPALITY
MILTON TOWN MILTON WELL SUPPLY 220001648	GROUND SOURCE-NO TREATMENT		4.000 (18.184)	20048	MUNICIPALITY
OAKVILLE TOWN OAKVILLE WTP 220001637	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	18.000 (81.828)	74273	MUNICIPALITY
	TOTAL CAPACITY		61.900 (281.397)		

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
EAST YORK BOROUGH EAST YORK SUPPLY 220004509	(WATER IS SUPPLIED BY FLUORIDATION	METRO TORONTO AREA WSS)			
ETOBICOKE CITY ETOBICOKE SUPPLY 220004493	(WATER IS SUPPLIED BY FLUORIDATION	METRO TORONTO AREA WSS)			
METRO TORONTO CITY EASTERLY WTP (SCARBOROUGH) 220004536	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	100.000 (454.600)	200204	MUNICIPALITY
METRO TORONTO CITY ISLAND WTP (TORONTO) 220002244	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	60.000 (272.760)	248085	MUNICIPALITY
METRO TORONTO CITY R.C. HARRIS WTP (TORONTO) 220002262	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	220.000 (1000.120)	1315341	MUNICIPALITY
METRO TORONTO CITY R.L. CLARK WTP (ETOBICOKE) 220002253	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	100.000 (454.600)	512415	MUNICIPALITY
NORTH YORK CITY NORTH YORK SUPPLY 220004457	(WATER IS SUPPLIED BY FLUORIDATION	METRO TORONTO AREA WSS)			
SCARBOROUGH CITY SCARBOROUGH SUPPLY 220003813	(WATER IS SUPPLIED BY FLUORIDATION	METRO TORONTO AREA WSS)			

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
TORONTO CITY TORONTO SUPPLY 220003804	(WATER IS SUPPLIED BY FLUORIDATION	METRO TORONTO AREA WSS)			
YORK CITY YORK SUPPLY 220004448	(WATER IS SUPPLIED BY FLUORIDATION	METRO TORONTO AREA WSS)			
	TOTAL CAPACITY		480.002 (2182.089)		

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
BRAMPTON CITY BRAMPTON SUPPLY 210000531	(WATER IS SUPPLIED BY	SOUTH PEEL AREA WSS)			
CALEDON TOWN ALTON WELL SUPPLY 220003831	GROUND SOURCE-CHLORINATION		.276 (1.255)	25	MUNICIPALITY
CALEDON TOWN BOLTON WELL SUPPLY 220004938	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		1.224 (5.564)	7959	MUNICIPALITY
CALEDON TOWN CALEDON EAST WELL SUPPLY 220004947	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		.800 (3.637)	1425	MUNICIPALITY
CALEDON TOWN CALEDON HAMLET WELL SUPPLY 220004000	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.144 (.655)	754	MUNICIPALITY
CALEDON TOWN CENTREVILLE (FOOTHILL FARM) WELL SUPPLY 220004028	GROUND SOURCE-CHLORINATION		.108 (.491)	112	MUNICIPALITY
CALEDON TOWN FARMERS LANE WELL SUPPLY 220004019	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.036 (.164)	25	MUNICIPALITY
CALEDON TOWN GRANITE STONES WELL SUPPLY 220003840	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.072 (.327)	43	MUNICIPALITY

REGIONAL MUNICIPALITY OF PEEL

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD ($10^3 m^3$)	POPULATION SERVED	OPERATED BY
CALEDON TOWN INGLEWOOD WELL SUPPLY 220004037	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.240 (1.091)	187	MUNICIPALITY
CALEDON TOWN MCCLEOD (SUB) WELL SUPPLY 220003822	GROUND SOURCE-CHLORINATION		.023 (.105)	83	MUNICIPALITY
CALEDON TOWN MONO MILLS WELL SUPPLY 220003984	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.079 (.359)	774	MUNICIPALITY
CALEDON TOWN PALGRAVE WELL SUPPLY 220003993	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.850 (3.864)	1231	MUNICIPALITY
MISSISSAUGA S-PEEL LAKEV CITY SOUTH PEEL WSS (LAKEVIEW) 210000568	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	75.000 (340.950)	515000	MINISTRY
MISSISSAUGA S-PEEL LORNE CITY SOUTH PEEL WSS(LORNE PARK) 210001317	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO	50.000 (227.300)	120000	MINISTRY
	TOTAL CAPACITY		128.852 (585.761)		

REGIONAL MUNICIPALITY OF YORK

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
AURORA TOWN AURORA WELL SUPPLY 220002440	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		3.740 (17.002)	15000	MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP HOLLAND LANDING WSS 220004046	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.504 (2.291)	2200	MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP MOUNT ALBERT WELL SUPPLY 220006543	GROUND SOURCE-CHLORINATION	LAKE ERIE	.500 (2.273)	1100	MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP SHARON SUPPLY 220002315	(WATER IS SUPPLIED BY	HOLLAND LANDING WSS)			
GEORGINA TOWNSHIP KESWICK WTP 210008280	SURFC SOURCE- PHY+CHEM TRTMT CHLORINATION	LAKE SIMCOE	3.420 (15.547)	4300	MUNICIPALITY
GEORGINA TOWNSHIP KESWICK WELL SUPPLY 220004251	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION		3.454 (15.702)	4000	MUNICIPALITY
GEORGINA TOWNSHIP SUTTON WTP 220002324	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE SIMCOE	1.000 (4.546)	4000	MUNICIPALITY
KING TOWNSHIP KING CITY WELL SUPPLY 220002299	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.800 (3.637)	2700	MUNICIPALITY
KING TOWNSHIP NOBLETON WELL SUPPLY 220002306	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		.797 (3.623)	950	MUNICIPALITY

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
KING TOWNSHIP SCHOMBERG WELL SUPPLY 220004901	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.216 (.982)	950	MUNICIPALITY
MARKHAM TOWN MARKHAM SUPPLY 220004162	(WATER IS SUPPLIED BY FLUORIDATION	METRO TORONTO AREA WSS			
NEWMARKET TOWN NEWMARKET/GWILLIMBURY WELL SUPPLY 220002413	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		3.650 (16.593)	28500	MUNICIPALITY
RICHMOND HILL TOWN RICHMOND HILL (OAK RIDGES) WELL SUPPLY 220004849	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.540 (2.455)	4500	MUNICIPALITY
RICHMOND HILL TOWN RICHMOND HILL SUPPLY 220004858	(WATER IS SUPPLIED BY FLUORIDATION	METRO TORONTO AREA WSS)			
VAUGHAN TOWN KLEINBURG WELL SUPPLY 220002360	GROUND SOURCE-CHLORINATION		.216 (.982)	1300	MUNICIPALITY
VAUGHAN TOWN VAUGHAN SUPPLY 220004439	(WATER IS SUPPLIED BY FLUORIDATION	METRO TORONTO AREA WSS)			
VAUGHAN TOWN WOODBRIGE SUPPLY 220002342	(WATER IS SUPPLIED BY FLUORIDATION	METRO TORONTO AREA WSS)			

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
WHITCHURCH-STOUFFVILLE TOWN STOUFFVILLE WELL SUPPLY 220002333	GROUND SOURCE-CHLORINATION		1.190 (5.410)	5500	MUNICIPALITY
	TOTAL CAPACITY		20.029 (91.052)		

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
BRACEBRIDGE TOWN BRACEBRIDGE WTP 220004956	GROUND SOURCE-CHLORINATION SURFACE SOURCE - PHY+CHEM TRTMT CHLORINATION	LAKE MUSKOKA	1.850 (8.410)	7753	MUNICIPALITY
GEORGIAN BAY TOWNSHIP MAC TIER WTP 220004224	SURFC SOURCE-CHLORINATION	STEWART LAKE	.060 (.273)	735	MUNICIPALITY
GRAVENHURST TOWN GRAVENHURST W.T.P (NEW PLANT IN 84)	SURFACE SOURCE-CHLORINATION GROUND SOURCE-CHEMICAL TRTMT CHLORINATION	GULL LAKE	2.520 (11.456)	6917	MUNICIPALITY
HUNTSVILLE TOWN HIDDEN VALLEY WTP 220003868	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	PENINSULA LAKE	.310 (1.409)	4634	MUNICIPALITY
HUNTSVILLE TOWN HUNTSVILLE WTP 220002093	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE VERNON	.950 (4.319)	4634	MUNICIPALITY
MUSKOKA LAKES TOWNSHIP BALA WTP 220001888	SURFC SOURCE-CHLORINATION	LAKE MUSKOKA	.448 (2.028)	1313	MUNICIPALITY
MUSKOKA LAKES TOWNSHIP PORT CARLING WTP 220002119	SURFC SOURCE-CHLORINATION	INDIAN RIVER	.300 (1.384)	872	MUNICIPALITY
	TOTAL CAPACITY		6.436 (29.258		

CENTRAL REGION

AREA WATER SUPPLY SYSTEMS

TOTAL AREA WATER SUPPLY SYSTEMS	TOTAL CAPACITY	
	$1000m^3$	MIGD
THREE	2886.8	635.0

SYSTEM: METROPOLITAN TORONTO AREA WATER SUPPLY SYSTEM

Number of Plants: Four
Operated by: Metropolitan Toronto Department of Works

Number of Municipalities Served: Eight

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
ETOBICOKE CITY - R. L. CLARK WTP 220002253	Coagulation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	100.0 MIGD (454.6 1000M^3)	North York City East York Borough Etobicoke City Scarborough City Markham Town Vaughan Town	Lake Ontario
SCARBOROUGH CITY - Easterly WTP 220004536	Coagulation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	100.0 MIGD (454.6 1000M^3)	North York City Toronto City East York Borough Etobicoke City Scarborough City York City	Lake Ontario
TORONTO CITY - Island WTP 220002244	Coagulation Sedimentation Filtration Taste & Odour Control Chlorination Fluoridation	60.0 MIGD (272.8 1000M^3)	North York City Toronto City East York Borough Etobicoke City Scarborough City York City	Lake Ontario
TORONTO CITY - R. C. Harris WTP 220000062	Coagulation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	220.0 MIGD (1000.1 1000M^3)	North York City Toronto City East York Borough Scarborough City York City Richmond Hill Town Vaughan Town	Lake Ontario

SYSTEM: OSHAWA WATER SUPPLY SYSTEM 210000722

Number of Plants: One
Operated by: Municipality

Number of Municipalities Served: Four

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
OSHAWA CITY	Coagulation Flocculation Sedimentation Filtration-Rapid Sand Taste + Odour Control Fluoridation Chlorination	30.0 MIGD (136.4 1000M^3)	Oshawa City Ajax Town Pickering Town Whitby Town	Lake Ontario

SYSTEM: SOUTH PEEL AREA WATER SUPPLY SYSTEM

Number of Plants: Two
Operated by: Ministry of the Environment

Number of Municipalities Served: Two

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
MISSISSAUGA CITY - Lakeview WTP 210001568	Screening Coagulation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	75.0 MIGD (341.0 1000M^3)	Brampton City Mississauga City	Lake Ontario
MISSISSAUGA CITY - Lorne Park WTP 210000317	Screening Coagulation Direct Filtration Taste + Odour Control Fluoridation Chlorination	50.0 MIGD (227.3 1000M^3)	Brampton City Mississauga City	Lake Ontario

Ministry of the Environment
Ontario

Southeastern Region

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REGIONAL OFFICE

KINGSTON
133 Dalton St.
613-549-4000

DISTRICT OFFICES

Belleville
15 Victoria Ave.
613-962-9208

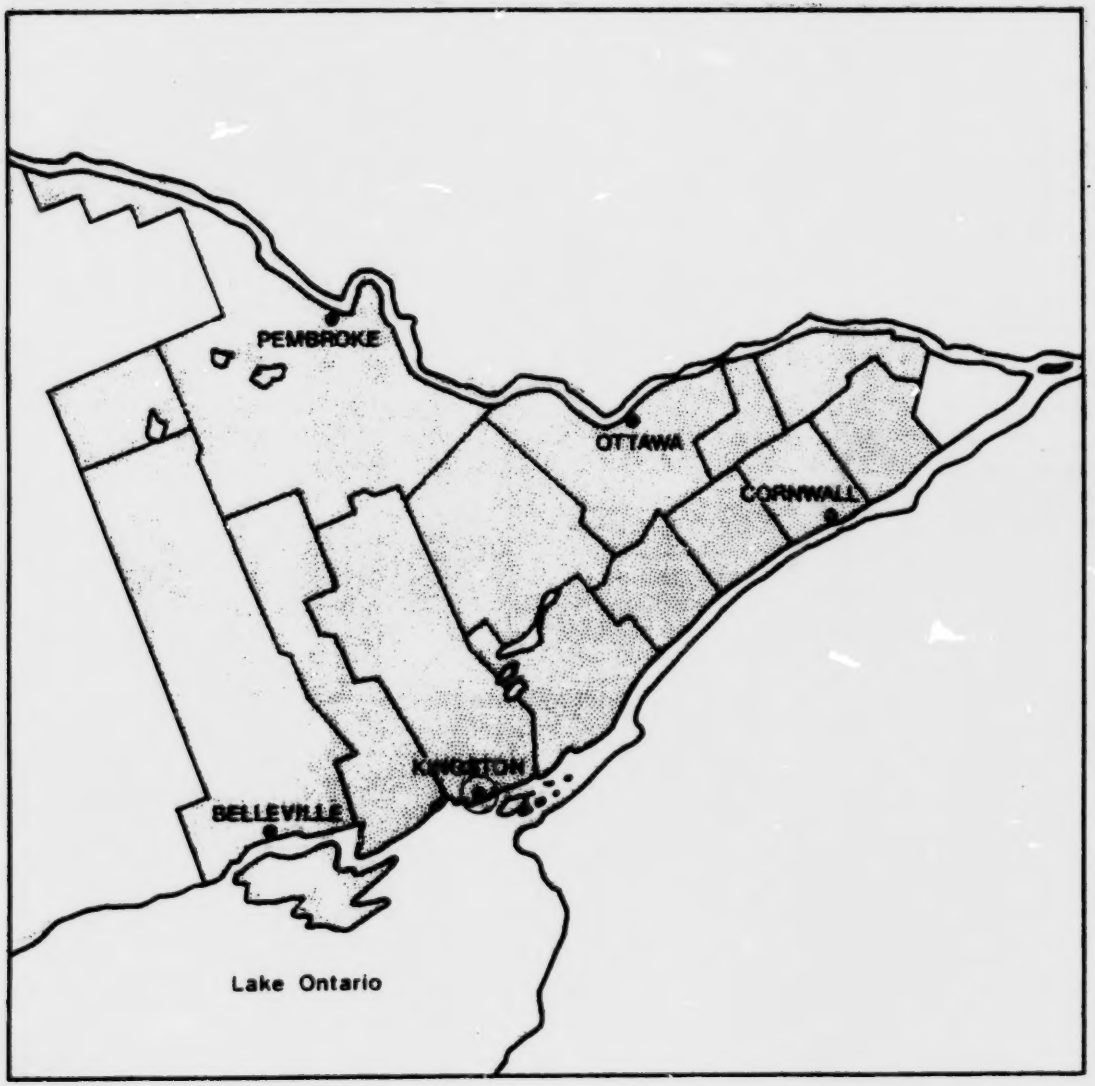
Cornwall
4 Montreal Rd.
613-933-7402

Ottawa
2378 Holly Lane
613-521-3450

Pembroke
1000 MacKay St.
P.O. Box 67
613-732-3643

Southeastern Region

Ministry of the Environment
Ontario



REGIONAL OFFICE

KINGSTON
133 Dalton St.
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DISTRICT OFFICES

Belleville
15 Victoria Ave.
613-962-9208

Cornwall
4 Montreal Rd.
613-933-7402

Ottawa
2378 Holly Lane
613-521-3450

Pembroke
1000 MacKay St.
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613-732-3643

SOUTHEASTERN REGION SUMMARY

TREATMENT TYPE	<--- NUMBER --->			<--- ** CAPACITY MIGD (10^3 $1000M^3$) --->		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
GROUND SOURCE - NO TREATMENT	0	1	1	.000	1.180	1.180 (5.364)
GROUND SOURCE - CHLORINATION ONLY	9	22	31	2.694	6.868	9.562 (43.469)
GROUND SOURCE - CHEMICAL TRTMT	1	0	1	.216	.000	.216 (.982)
GROUND SOURCE - PHY+CHEM TRTMT	1	1	2	.171	.086	.257 (1.168)
SURFACE SOURCE - CHLORINATION ONLY	0	13	13	.000	19.107	19.107 (86.860)
SURFACE SOURCE - CHEMICAL TRTMT	1	2	3	.430	7.450	7.880 (35.822)
SURFACE SOURCE - PHYSICAL TRTMT	0	2	2	.000	1.500	1.500 (6.819)
SURFACE SOURCE - PHY+CHEM TRTMT	9	19	28	14.505	218.192	232.697 (1,057.841)
**** TOTALS ****	21	60	81	18.016 (81.900)	254.383 (1,156.425)	272.399 (1,238.326)

CHEMICAL TREATMENT : PROCESSES SUCH AS COAGULATION, FLOCCULATION AND FLUORIDATION WHICH USE CHEMICAL AIDS COME UNDER THIS CATAGORY. ALSO INCLUDED ARE THE CHEMICAL REMOVAL PROCESSES LIKE IRON REMOVAL.

PHYSICAL TREATMENT : PROCESSES USING MECHANICAL AIDS SUCH AS SCREENING, SEDIMENTATION AND FILTRATION COME UNDER THIS CATAGORY.

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY
$1000M^3$:THOUSANDS OF CUBIC METRES

CONVERSION FACTOR
1 MGD = 4.546 $1000M^3$

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
ALEXANDRIA TOWN ALEXANDRIA WTP 220001030	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	ALEXANDER LAKE	1.140 (5.182)	3550	MUNICIPALITY
ALFRED VILLAGE ALFRED WELL SUPPLY 210000602	GROUND SOURCE-CHLORINATION		.100 (.456)	1000	MINISTRY
ALFRED VILLAGE ALFRED WELL SUPPLY 220004475	GROUND SOURCE-CHLORINATION	.	.100 (.456)	1043	MUNICIPALITY
ALFRED TOWNSHIP LEFAIVRE HAMLET WTP 220002841	SURFACE SOURCE-CHLORINATION	OTTAWA RIVER	.086 (.391)	400	MUNICIPALITY
ALMONTE TOWN ALMONTE WELL SUPPLY 220001290	GROUND SOURCE-NO TRTMT		1.180 (5.364)	3800	MUNICIPALITY
AMELIASBURG TOWNSHIP FENWOOD GARDENS WTP 220004322	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	SAWGUIN CREEK	.072 (.327)	220	MUNICIPALITY
ARNPRIOR TOWN ARNPRIOR WTP 220000832	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	MADAWASKA RIVER	3.400 (15.458)	5800	MUNICIPALITY
BANCROFT VILLAGE BANCROFT WTP 220004786	SURFACE SOURCE-CHLORINATION	CLARKE LAKE	1.000 (4.548)	1800	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (10^3M^3)	POPULATION SERVED	OPERATED BY
BARRY'S BAY VILLAGE BARRY'S BAY WTP 210000942	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	KAMANISKEG LAKE	.550 (2.500)	1413	MINISTRY
BATH VILLAGE BATH WTP 220002217	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	.840 (3.819)	1032	MUNICIPALITY
BEACHBURG VILLAGE BEACHVILLE WELL SUPPLY 220003449	GROUND SOURCE-CHLORINATION	ON STANDBY	.090 (.409)	650	MUNICIPALITY
BELLEVILLE CITY BELLEVILLE WTP 220001828	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	BAY OF QUINTE	12.000 (54.552)	35482	MUNICIPALITY
BROCKVILLE CITY BROCKVILLE WTP 220001283	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	ST LAWRENCE RIVER	9.000 (40.914)	20189	MUNICIPALITY
CARDINAL VILLAGE CANADA STARCH WTP 220003582	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	ST. LAWRENCE RIVER	.300 (1.364)	1695	MUNICIPALITY
CARLETON PLACE TOWN CARLETON PLACE WTP 220001281	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	MISSISSIPPI RIVER	5.000 (22.730)	5600	MUNICIPALITY
CASSELMAN VILLAGE CASSELMAN WTP 210001219	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	S. NATION RIVER	.700 (3.182)	1498	MINISTRY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
CHALK RIVER VILLAGE CHALK RIVER WTP 210000656	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION	CORRY LAKE	.430 (1.955)	986	MINISTRY
CHESTERVILLE VILLAGE CHESTERVILLE WELL SUPPLY 210000728	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		.216 (.982)	1407	MINISTRY
CLARENCE TOWNSHIP BOURGET P.V. WELL SUPPLY 220003458	GROUND SOURCE-CHLORINATION		.172 (.782)	1140	MUNICIPALITY
CLARENCE TOWNSHIP CHENEY WELL SUPPLY 220002887	GROUND SOURCE-CHLORINATION		.036 (.164)	470	MUNICIPALITY
CLARENCE TOWNSHIP CLARENCE CR. WELL SUPPLY 220002869	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.086 (.391)	580	MUNICIPALITY
CLARENCE TOWNSHIP HAMMOND WELL SUPPLY 220002850	GROUND SOURCE-CHLORINATION		.184 (.836)	402	MUNICIPALITY
CLARENCE TOWNSHIP ST PASCHAL BAYLON WELL SUPPLY 220002878	GROUND SOURCE-CHLORINATION		.048 (.218)	245	MUNICIPALITY
COBDEN VILLAGE COBDEN WTP 220001218	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	MUSKRAT LAKE	.300 (1.364)	1035	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($10^3 m^3$)	POPULATION SERVED	OPERATED BY
CORNWALL CITY CORNWALL WTP 220001049	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ST LAWRENCE	22.000 (100.012)	46045	MUNICIPALITY
CORNWALL TOWNSHIP LONG SAULT HAMLET WTP 220000896	SURFACE SOURCE-CHLORINATION	LAKE ST LAWRENCE	.500 (2.273)	1300	MUNICIPALITY
CUMBERLAND TOWNSHIP CUMBERLAND SUPPLY 220004206	(WATER IS SUPPLIED BY CHLORINATION FLUORIDATION	OTT.-CARLETON AREA WSS)			
CUMBERLAND TOWNSHIP QUEENWOOD WELL SUPPLY 220000727	GROUND SOURCE-CHLORINATION		.466 (2.118)	7400	MUNICIPALITY
DEEP RIVER TOWN DEEP RIVER WTP 220000823	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	OTTAWA RIVER	3.100 (14.093)	4232	MUNICIPALITY
DELORO VILLAGE DELORO WELL SUPPLY 220001584	GROUND SOURCE-CHLORINATION		.030 (.136)	210	MUNICIPALITY
DESERONTO TOWN DESERONTO WTP 220001593	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	BAY OF QUINTE	.650 (2.955)	1663	MINISTRY
EGANVILLE VILLAGE EGANVILLE WTP 210000875	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	BONNECHERE RIVER	.180 (.818)	1218	MINISTRY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
ERNESTOWN TOWNSHIP AMHERSTVIEW WTP 220001879	SURFACE SOURCE-CHLORINATION	LAKE ONTARIO	2.400 (10.910)	6772	MUNICIPALITY
ERNESTOWN TOWNSHIP ODESSA WTP 210001040	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	MILLHAVEN CREEK	.450 (2.046)	973	MINISTRY
FINCH VILLAGE FINCH WELL SUPPLY 210003912	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.171 (.777)	303	MINISTRY
FRANKFORD VILLAGE FRANKFORD WELL SUPPLY 210000210	GROUND SOURCE-CHLORINATION		.280 (1.273)	1892	MINISTRY
GANANOQUE SEPARATED TOWN GANANOQUE WTP 220001254	SURFACE SOURCE-CHLORINATION	ST. LAWRENCE RIVER	2.160 (9.819)	4900	MUNICIPALITY
GLOUCESTER TOWNSHIP GLOUCESTER TWP. SUPPLY 220004518	(WATER IS SUPPLIED BY CHLORINATION FLUORIDATION	OTT.-CARLETON AREA WSS)			
GLOUCESTER TOWNSHIP ORLEANS PV SUPPLY 220002486	(WATER IS SUPPLIED BY CHLORINATION FLUORIDATION	OTT.-CARLETON AREA WSS)			
GOULBOURN TOWNSHIP GOULBOURN SUPPLY 220004527	(WATER IS SUPPLIED BY FLUORIDATION	OTT.-CARLETON AREA WSS)			

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
HAWKESBURY TOWN HAWKESBURY WTP 220002832	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	OTTAWA RIVER	4.000 (18.184)	9686	MUNICIPALITY
IROQUOIS VILLAGE IROQUOIS WTP 220001021	SURFACE SOURCE-CHLORINATION	ST LAWRENCE RIVER	1.600 (7.274)	1212	MUNICIPALITY
KANATA CITY GLENCAIRN SUPPLY 220000718	(WATER IS SUPPLIED BY CHLORINATION FLUORIDATION	OTT.-CARLETON AREA WSS)			
KANATA CITY KANATA SUPPLY 220003190	(WATER IS SUPPLIED BY CHLORINATION FLUORIDATION	OTT.-CARLETON AREA WSS)			
KEMPTVILLE TOWN KEMPTVILLE WELL SUPPLY 220001238	GROUND SOURCE-CHLORINATION		1.020 (4.637)	2700	MUNICIPALITY
KINGSTON CITY KINGSTON WTP 220001880	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	24.000 (109.000)	78400	MUNICIPALITY
KINGSTON TOWNSHIP POINT PLEASANT WTP 220001851	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE ONTARIO	6.000 (27.276)	18500	MINISTRY
L'ORIGNAL VILLAGE L'ORIGNAL WELL SUPPLY 210001088	GROUND SOURCE-CHLORINATION		.195 (.885)	1300	MINISTRY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (1000M^3)	POPULATION SERVED	OPERATED BY
LANCASTER VILLAGE LANCASTER WELL SUPPLY 210001058	GROUND SOURCE-CHLORINATION		.280 (1.318)	600	MINISTRY
LEEDS & LANSDOWNE, FRONT TOWNSHIP LANSDOWNE WELL SUPPLY 210001022	GROUND SOURCE-CHLORINATION		.320 (1.455)	550	MINISTRY
MADOC VILLAGE MADOC WELL SUPPLY 220001575	GROUND SOURCE-CHLORINATION		.330 (1.500)	1266	MUNICIPALITY
MARMORA VILLAGE MARMORA WTP 220004803	SURFACE SOURCE-CHLORINATION	CROWE RIVER	.219 (.996)	1266	MUNICIPALITY
MERRICKVILLE VILLAGE MERRICKVILLE WELL SUPPLY 220001227	GROUND SOURCE-CHLORINATION		.710 (3.228)	864	MINISTRY
MORRISBURG VILLAGE MORRISBURG WTP 220001012	SURFACE SOURCE-CHLORINATION	ST LAWRENCE RIVER	2.300 (10.456)	2337	MUNICIPALITY
NAPANEE TOWN NAPANEE WTP 220002226	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	NAPANEE RIVER	2.800 (12.729)	7500	MUNICIPALITY
NEPEAN TOWNSHIP BARRHAVEN SUPPLY 220003181	(WATER IS SUPPLIED BY CHLORINATION FLUORIDATION	OTT.-CARLETON AREA WSS)			

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($10^3 m^3$)	POPULATION SERVED	OPERATED BY
NEPEAN TOWNSHIP LAKEVIEW SUPPLY 220003183	(WATER IS SUPPLIED BY CHLORINATION FLUORIDATION	OTT.-CARLETON AREA WSS)			
NEPEAN TOWNSHIP LYNWOOD VILLAGE SUPPLY 220003172	(WATER IS SUPPLIED BY CHLORINATION FLUORIDATION	OTT.-CARLETON AREA WSS)			
NORTH PLANTAGENET TOWNSHIP WENDOVER P.V. WTP 220002896	SURFACE SOURCE-CHLORINATION	OTTAWA RIVER	.720 (3.273)	700	MUNICIPALITY
OSNABRUCK TOWNSHIP INGLESIDE HAMLET WTP 220001003	SURFACE SOURCE-CHLORINATION	ST LAWRENCE RIVER	1.800 (8.183)	1500	MUNICIPALITY
OTTAWA CITY OTTAWA WSS (LEMIEUX IS.) 220003207	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	OTTAWA RIVER	65.700 (298.672)	224032	MUNICIPALITY
OTTAWA CITY OTTAWA WSS(BRITANNIA) 220003154	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	OTTAWA RIVER	54.400 (247.302)	298971	MUNICIPALITY
PEMBROKE CITY PEMBROKE WTP 220000841	SURFACE SOURCE-CHLORINATION	OTTAWA RIVER	6.200 (28.185)	18000	MUNICIPALITY
PERTH TOWN PERTH WTP 220001272	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	TAY RIVER	2.000 (9.092)	5702	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE / SCHEME SOURCE	CAPACITY MIGD (10^3M^3)	POPULATION SERVED	OPERATED BY
PICTON TOWN PICTON WTP 220000987	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	LAKE ONTARIO-PICTON BAY	2.400 (10.910)	4290	MUNICIPALITY
PITTSBURG TOWNSHIP CANA WELL SUPPLY 220001824	GROUND SOURCE-CHLORINATION	.	.015 (.068)	94	MUNICIPALITY
PITTSBURG TOWNSHIP PITTSBURG SUPPLY 210001228	(WATER IS SUPPLIED BY	KINGSTON CITY WSS)			
PLANTAGENET VILLAGE PLANTAGENET WTP 210001738	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	SOUTH NATION RIVER	.375 (1.705)	876	MINISTRY
PRESCOTT SEPARATED TOWN PRESCOTT WTP 220001248	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	ST LAWRENCE RIVER	2.450 (11.138)	4595	MUNICIPALITY
RENFREW TOWN RENFREW WTP 210001102	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	BONNECHERE RIVER	4.000 (18.184)	1120	MINISTRY
RIDEAU TOWNSHIP HILLSIDE GARDENS WELL SUPPLY 220002485	GROUND SOURCE-CHLORINATION		.149 (.677)	808	MUNICIPALITY
ROCKCLIFFE PARK VILLAGE ROCKCLIFFE PARK SUPPLY 220003218	(WATER IS SUPPLIED BY CHLORINATION FLUORIDATION	OTT.-CARLETON AREA WSS)			

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OT RATED BY
ROCKLAND TOWN ROCKLAND WTP 210000639	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	OTTAWA RIVER	1.600 (7.274)	3334	MINISTRY
SIDNEY TOWNSHIP BATAWA WTP 220001548	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	TRENT RIVER	1.200 (5.45[illegible])	1230	MUNICIPALITY
SIDNEY TOWNSHIP MONTROSE WELL SUPPLY 220004331	GROUND SOURCE-CHLORINATION		.300 (1.364)	1230	MUNICIPALITY
SIDNEY TOWNSHIP QUINTE HEIGHTS WELL SUPPLY 220004340	GROUND SOURCE-CHLORINATION		.045 (.205)	214	MUNICIPALITY
SMITH FALLS SEPARATED TOWN SMITH FALLS WTP 220001307	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	RIDEAU RIVER	6.000 (27.276)	10684	MUNICIPALITY
ST.ISIDORE DE PRESCOTT VILLAGE ST ISIDORE WELL SUPPLY 220003573	GROUND SOURCE-CHLORINATION		.047 (.214)	455	MUNICIPALITY
STIRLING VILLAGE STIRLING WELL SUPPLY 220001568	GROUND SOURCE-CHLORINATION		.578 (2.618)	1587	MUNICIPALITY
THURLOW TOWNSHIP POINT ANNE HAMLET WTP 220004359	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	BAY OF QUINTE	.040 (.182)	60	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (10^3 M)	POPULATION SERVED	OPERATED BY
TRENTON CITY CHESTER RD WTP 220001619	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	TRENT RIVER	5.000 (22.730)	17788	MUNICIPALITY
TRENTON CITY TRENTON SPRING SUPPLY 220001600	GROUND SOURCE-CHLORINATION		1.850 (8.410)		MUNICIPALITY
TWEED VILLAGE TWEED WELL SUPPLY 220001557	GROUND SOURCE-CHLORINATION		.440 (2.000)	1544	MUNICIPALITY
VANIER CITY VANIER SUPPLY 220003225	(WATER IS SUPPLIED BY CHLORINATION FLUORIDATION	OTT.-CARLETON AREA WSS)			
VANKLEEK HILL TOWN VANKLEEK HILL WELL SUPPLY 210000820	GROUND SOURCE-CHLORINATION		.274 (1.246)	1711	MINISTRY
WELLINGTON VILLAGE WELLINGTON WELL SUPPLY 210000848	GROUND SOURCE-CHLORINATION		.454 (2.064)	1077	MUNICIPALITY
WEST CARLETON TOWNSHIP HUNTLEY-JULIA WELL SUPPLY 220003430	GROUND SOURCE-CHLORINATION		.050 (.227)	240	MUNICIPALITY
WESTPORT VILLAGE WESTPORT WELL SUPPLY 210001004	GROUND SOURCE-CHLORINATION		.187 (.850)	833	MINISTRY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
WINCHESTER VILLAGE WINCHESTER WELL SUPPLY 210000586	GROUND SOURCE-CHLORINATION		.338 (1.538)	1950	MINISTRY

SOUTHEASTERN REGION

WATER TREATMENT

REGIONAL MUNICIPALITIES

REGIONAL MUNICIPALITIES	CAPACITY	
	1000m^3	MIGD
OTTAWA - CARLTON	549.0	120.8

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
CUMBERLAND TOWNSHIP CUMBERLAND SUPPLY 220004206	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			
CUMBERLAND TOWNSHIP QUEENWOOD WELL SUPPLY 220000727	GROUND SOURCE-CHLORINATION		.466 (2.118)	7400	MUNICIPALITY
GLOUCESTER TOWNSHIP GLOUCESTER TWP. SUPPLY 220004518	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			
GLOUCESTER TOWNSHIP ORLEANS PV SUPPLY 220002488	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			
GOULBOURN TOWNSHIP GOULBOURN SUPPLY 220004527	(WATER IS SUPPLIED BY) FLUORIDATION	(OTT.-CARLETON AREA WSS)			
KANATA CITY GLENCAIRN SUPPLY 220000718	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			
KANATA CITY KANATA SUPPLY 220003190	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			
NEPEAN TOWNSHIP BARRHAVEN SUPPLY 220003181	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			

REGIONAL MUNICIPALITY OF OTTAWA-CARLETON

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (10^3M^3)	POPULATION SERVED	OPERATED BY
NEPEAN TOWNSHIP LAKEVIEW SUPPLY 220003183	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			
NEPEAN TOWNSHIP LYNWOOD VILLAGE SUPPLY 220003172	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			
OTTAWA CITY OTTAWA WSS (LEMIEUX IS-) 220003207	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	OTTAWA RIVER	65.700 (298.672)	224032	MUNICIPALITY
OTTAWA CITY OTTAWA WSS(BRITANNIA) 220003154	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	OTTAWA RIVER	54.400 (247.302)	296971	MUNICIPALITY
RIDEAU TOWNSHIP HILLSIDE GARDENS WELL SUPPLY 220002485	GROUND SOURCE-CHLORINATION		.149 (.677)	808	MUNICIPALITY
ROCKCLIFFE PARK VILLAGE ROCKCLIFFE PARK SUPPLY 220003218	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			
VANIER CITY VANIER SUPPLY 220003225	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION	(OTT.-CARLETON AREA WSS)			
WEST CARLETON TOWNSHIP HUNTLEY-JULIA WELL SUPPLY 220003430	GROUND SOURCE-CHLORINATION		.050 (.227)	240	MUNICIPALITY
	TOTAL CAPACITY		120.769 (549.016)		

SOUTHEASTERN REGION

AREA WATER SUPPLY SYSTEMS

TOTAL AREA WATER SUPPLY SYSTEMS	TOTAL CAPACITY	
	1000m³	MIGD
ONE	546.0	120.1

SYSTEM: OTTAWA AREA WATER SUPPLY SYSTEM

Number of Plants: Two
Operated by: Regional Municipality of Ottawa Carleton

Number of Municipalities Served: Eight

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
OTTAWA CITY - Britannia WTP 220003154	Screening Coagulation Sedimentation Filtration Taste & Odour Control Ph Adjustment Fluoridation Chlorination	54.4 MIGD (247.3 1000M^3)	Gloucester City Kanata City Nepean City Ottawa City Vanier City Rockcliffe Park Village Cumberland Twp. Goulbourn Twp.	Ottawa River
OTTAWA CITY - Lemieux Island WTP 220003207	Screening Coagulation Sedimentation Filtration Taste & Odour Control Ph Adjustment Fluoridation Chlorination	65.7 MIGD (298.7 1000M^3)	Gloucester City Kanata City Nepean City Ottawa City Rockcliffe Park Village Cumberland Twp. Goulbourn Twp.	Ottawa River

Ministry of the Environment
Ontario

Northeastern Region

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REGIONAL OFFICE

SUDBURY
199 Larch St.
705-675-4501

DISTRICT OFFICES

North Bay
1500 Fisher St.
705-476-1001

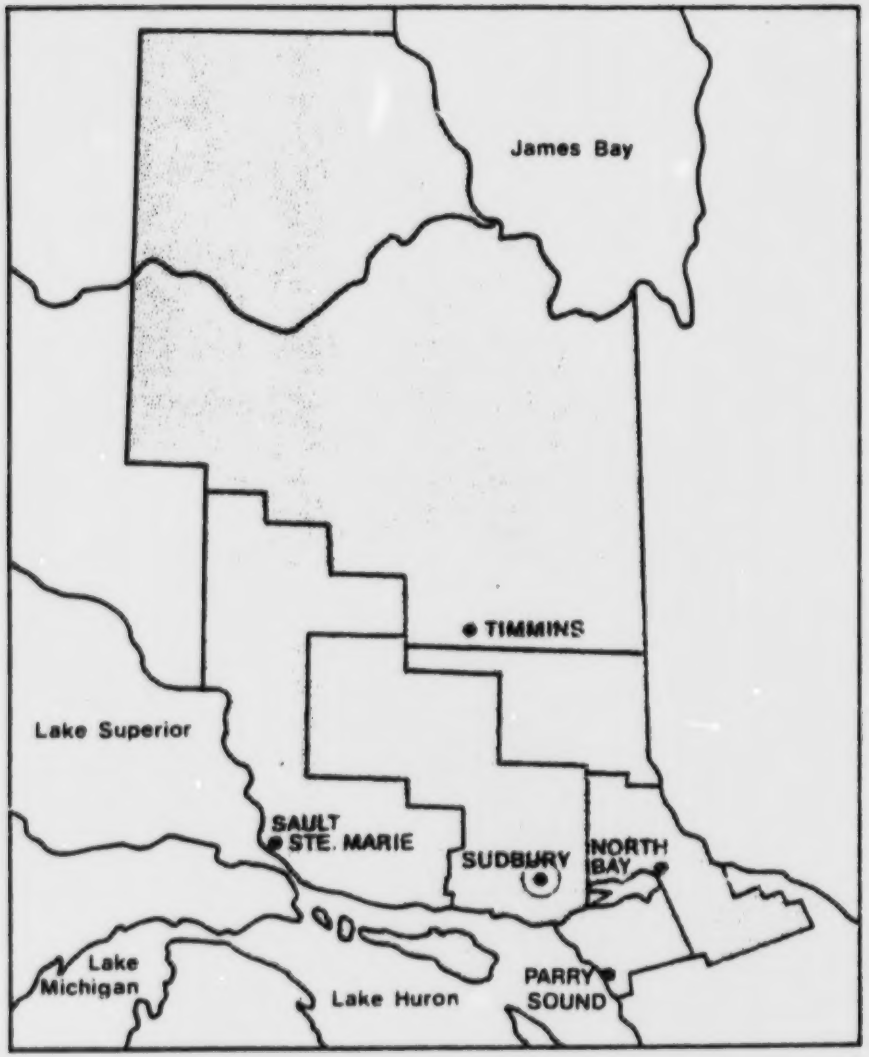
Sault Ste. Marie
445 Albert St. E.
705-949-4640

Timmins
83 Algonquin Blvd. W.
705-264-9474

Parry Sound
74 Church St.
705-746-2139

Northeastern Region

Ministry of the Environment
Ontario



REGIONAL OFFICE

SUDBURY
199 Larch St.
705-675-4501

DISTRICT OFFICES

North Bay
1500 Fisher St.
705-476-1001

Sault Ste. Marie
445 Albert St. E.
705-949-4640

Timmins
83 Algonquin Blvd. W.
705-264-9474

Parry Sound
74 Church St.
705-746-2139

NORTHEASTERN REGION SUMMARY

TREATMENT TYPE	<--------- NUMBER ---------->			<---------- ** CAPACITY MIGD ($1000M^3$) ---------->		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
GROUND SOURCE - NO TREATMENT	2	7	9	.252	4.804	5.056 (22.985)
GROUND SOURCE - CHLORINATION ONLY	2	6	8	2.560	2.472	5.032 (22.875)
GROUND SOURCE - CHEMICAL TRTMT	1	7	8	.650	27.677	28.327 (128.775)
GROUND SOURCE - PHYSICAL TRTMT	1	1	2	.115	1.758	1.873 (8.515)
GROUND SOURCE - PHY+CHEM TRTMT	1	3	4	.065	3.040	3.105 (14.115)
SURFACE SOURCE - CHLORINATION ONLY	5	13	18	1.493	12.187	13.680 (62.190)
SURFACE SOURCE - CHEMICAL TRTMT	2	6	8	3.960	51.569	55.529 (252.435)
SURFACE SOURCE - PHYSICAL TRTMT	0	1	1	.000	1.730	1.730 (7.865)
SURFACE SOURCE - PHY+CHEM TRTMT	7	6	13	3.454	26.686	30.140 (137.018)
**** TOTALS ****	21	50	71	12.549 (57.048)	131.923 (599.722)	144.472 (656.770)

CHEMICAL TREATMENT : PROCESSES SUCH AS COAGULATION, FLOCCULATION AND FLUORIDATION WHICH USE CHEMICAL AIDS COME UNDER THIS CATAGORY. ALSO INCLUDED ARE THE CHEMICAL REMOVAL PROCESSES LIKE IRON REMOVAL,

PHYSICAL TREATMENT : PROCESSES USING MECHANICAL AIDS SUCH AS SCREENING, SEDIMENTATION AND FILTRATION COME UNDER THIS CATAGORY.

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY
$1000M^3$:THOUSANDS OF CUBIC METRES

CONVERSION FACTOR
1 MGD = 4.546 $1000M^3$

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
ARMSTRONG TOWNSHIP EARLTON WELL SUPPLY 220003882	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.070 (.318)	950	MUNICIPALITY
ASSIGINACK MANITOWANING TOWNSHIP MANITOWANING WTP 210001013	SURFACE SOURCE-CHLORINATION	MANITOWANING BAY	.085 (.386)	435	MINISTRY
BILLINGS TOWNSHIP KAGAWONG PLANT 220002182	SURFACE SOURCE-CHLORINATION	KAGAWONG LAKE	.015 (.068)	400	MUNICIPALITY
BLACK R.M. MATHESON TOWNSHIP HOLTYRE WELL SUPPLY 220002886	GROUND SOURCE-CHLORINATION		.120 (.546)	805	MUNICIPALITY
BLACK R.M. MATHESON TOWNSHIP MATHESON RUN WTP 220002874	SURFACE SOURCE-CHLORINATION	WHITEFISH LAKE	.280 (1.273)	920	MINISTRY
BLACK R.M. RAMORE 1 TOWNSHIP RAMORE WELL SUPPLY NO 1 220002836	GROUND SOURCE-NO TRTMT		.108 (.491)	320	MINISTRY
BLACK R.M. VAL GAGNE TOWNSHIP VAL GAGNE WELL SUPPLY 210001874	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		.065 (.295)	300	MINISTRY
BLIND RIVER TOWN BLIND RIVER WELL SUPPLY 210000041	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		.785 (3.569)	3025	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (1000M^3)	POPULATION SERVED	OPERATED BY
BRUCE MINES TOWN BRUCE MINES WTP 210000833	SURFACE SOURCE-CHLORINATION	L.HURON ST.JOSEPH'S CHNL	.108 (.491)	571	MINISTRY
BURK'S FALLS VILLAGE BURKS FALLS WELL SUPPLY 220000587	GROUND SOURCE-NO TRTMT		.245 (1.114)	1000	MUNICIPALITY
CACHE BAY TOWN CACHE BAY WTP 210000452	SURFACE SOURCE-CHLORINATION	TANNER LAKE	.220 (1.000)	679	MINISTRY
CALDWELL TOWNSHIP VERNER PV WTP 210000951	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	VEUVE RIVER	.233 (1.059)	1116	MINISTRY
CAPREOL TOWN CAPREOL WELL SUPPLY 220003528	GROUND SOURCE-PHYSICAL TRTMT		1.758 (7.992)	3779	MUNICIPALITY
CHAPLEAU TOWNSHIP CHAPLEAU WTP 220003484	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION		1.200 (5.455)	2450	MINISTRY
COBALT TOWN COBALT WTP 220000362	SURFACE SOURCE-CHLORINATION	LAKE SASAGINAGA	3.200 (14.547)	1786	MUNICIPALITY
COCHRANE TOWN COCHRANE WELL SUPPLY 220003047	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		1.350 (6.137)	5000	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
DUBREUILVILLE IMPROVEMENT DISTRICT DUBREUIVILLE WELL SUPPLY 220004714	GROUND SOURCE-NO TRTMT	.	.100 (.455)	1000	MUNICIPALITY
DYMOND TOWNSHIP DYMOND WELL SUPPLY 220000335	GROUND SOURCE-CHLORINATION		1.008 (4.582)	450	MUNICIPALITY
EILBER AND DEVITT TOWNSHIP HATTICE WTP 210001783	SURFC SOURCE-CHEMICAL TRTMT PRE + POST CHLORINATION	MISSINAIBI RIVER	.285 (1.296)	850	MUNICIPALITY
ELLIOT LAKE TOWN ELLIOT LAKE WTP 220002788	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	ELLIOT LAKE	6.740 (30.640)	19000	MUNICIPALITY
ENGLEHART TOWN ENGLEHART WELL SUPPLY 220000353	GROUND SOURCE-NO TRTMT		.720 (3.273)	1723	MUNICIPALITY
ESPANOLA TOWN ESPANOLA WTP 210000748	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	APSEY LAKE	1.500 (6.819)	5200	MINISTRY
FAUQUIER MOONBEAM TOWNSHIP MOONBEAM WELL SUPPLY 210000087	GROUND SOURCE-CHLORINATION		.120 (.546)	1000	MINISTRY
FOLEYET UNORGANIZED MUNICIPALITY FOLEYET WTP 220002547	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION	IVANHOE RIVER	.144 (.655)	600	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
GORE BAY TOWN GORE BAY WTP 220002208	SURFACE SOURCE-CHLORINATION	LAKE HURON	.294 (1.337)	778	MUNICIPALITY
HAILEYBURY TOWN HAILEYBURY WTP 210000309	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LAKE TIMISKAMING	1.500 (6.819)	4941	MINISTRY
HEARST TOWN HEARST WTP 220002592	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION	MATTAWISHKWIA RIVER	2.460 (11.183)	5270	MINISTRY
IROQUOIS FALLS TOWN IROQUOIS WTP 220002556	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	ABITIBI RIVER	.900 (4.091)	6000	MUNICIPALITY
KAPUSKASING TOWN KAPUSKASING WELL SUPPLY 220002583	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		2.160 (9.819)	11930	MUNICIPALITY
KIRKLAND LAKE TOWN KIRKLAND LAKE AND CHAPUT HUGHES WTP 220000308	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	GULL LAKE	12.400 (56.370)	13360	MUNICIPALITY
KIRKLAND LAKE TOWN SWASTIKA WTP 220000291	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	BLANCHE RIVER	.360 (1.637)	850	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
LARDER LAKE TOWNSHIP LARDER LAKE WELL SUPPLY 220000328	GROUND SOURCE-NO TRTMT		.576 (2.618)	1200	MUNICIPALITY
LATCHFORD TOWN LATCHFORD WTP 210000980	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	MONTREAL R	.144 (.655)	427	MINISTRY
LITTLE CURRENT TOWN LITTLE CURRENT WTP 220002191	SURFACE SOURCE-CHLORINATION	LAKE HURON	.597 (2.714)	1517	MUNICIPALITY
MASSEY TOWN MASSEY WTP 220003800	SURFACE SOURCE-CHLORINATION	AUX SABLE RIVER	.836 (3.800)	1311	MUNICIPALITY
MATACHEWAN IMPROVEMENT DISTRICT MATACHEWAN WELL SUPPLY 220003853	GROUND SOURCE-CHLORINATION		.040 (.182)	400	MUNICIPALITY
MATTAWA TOWN MATTAWA WELL SUPPLY 220000451	GROUND SOURCE-NO TRTMT		1.080 (4.910)	2683	MUNICIPALITY
MCDOUGALL TOWNSHIP CIL WSS 220003671	SURFACE SOURCE-CHLORINATION	GEORGIAN BAY	3.300 (15.002)	354	MUNICIPALITY
MCDOUGALL TOWNSHIP NOBEL SUPPLY 220000548	(WATER IS SUPPLIED BY	C.I.L. WSS McDOUGALL TOWNSHIP)	.144 (.655)		

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
MCGARRY TOWNSHIP VIGINIATOWN-KEARNS WTP 220000317	SURFACE SOURCE-CHLORINATION	LARDER LAKE	.864 (3.928)	1623	MUNICIPALITY
MICHIPICOTEN WAWA TOWNSHIP MICHIPICOTEN PLANT 210000050	GROUND SOURCE-CHLORINATION	WAWA LAKE	2.440 (11.092)	3800	MINISTRY
MOOSONEE NORTH DEVELOPMENT AREA BOARD MOOSONEE NORTH WTP 210001193	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	BUTLER CREEK	.144 (.655)	200	MINISTRY
MOOSONEE OLD TOWNSITE DEVELOPMENT AREA BOARD MOOSONEE WTP (OLD TOWNSITE) 210000098	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	STORE CREEK	.150 (.682)	1300	MINISTRY
NEW LISKEARD TOWN NEW LISKEARD WELL SUPPLY 220000344	GROUND SOURCE-PHY+CHEM TRTMT CHLORINATION		1.620 (7.365)	5700	MUNICIPALITY
NICKEL CENTRE TOWN GARSON WELL SUPPLY 220003485	GROUND SOURCE-NO TRTMT		2.013 (9.151)	6483	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
NORTH BAY CITY NORTH BAY WTP 220000460	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	TROUT LAKE	30.000 (136.380)	50838	MUNICIPALITY
NORTH HIMSWORTH-CALL. TOWNSHIP CALLANDER WELL SUPPLY 210000888	GROUND SOURCE-PHYSICAL TRTMT CHLORINATION		.115 (.523)	1220	MINISTRY
NORTH SHORE TOWNSHIP SERPENT RIVER WTP 220004242	SURFACE SOURCE-CHLORINATION	SERPENT RIVER	.100 (.455)	210	MUNICIPALITY
NORTH SHORE TOWNSHIP SPANISH HOLDINGS WELL SUPPLY 220002798	GROUND SOURCE-NO TRTMT		.070 (.318)	800	MUNICIPALITY
ONAPING FALLS TOWN DOWLING WELL SUPPLY 210001885	GROUND SOURCE-CHLORINATION		.790 (3.591)	2970	MUNICIPALITY
ONAPING FALLS TOWN LEVACK WELL SUPPLY (RE-CHARGE FROM RIVER 220003487	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION	ONAPING RIVER	2.160 (9.819)	2300	MUNICIPALITY
ONAPING FALLS TOWN ONAPING WELL SUPPLY (FALCONBRIDGE) 220003519	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION	.	1.150 (5.228)	1100	MUNICIPALITY
PARRY SOUND TOWN PARRY SOUND WTP 220000585	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	GEORGIAN BAY	2.000 (9.092)	6078	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (1000M^3)	POPULATION SERVED	OPERATED BY
PENTLAND UNORGANIZED MUNICIPALITY KIOSK HAMLET WTP 220004486	SURFACE SOURCE-CHLORINATION	AMABLE DU FOND CREEK	.576 (2.618)	100	MUNICIPALITY
POITRAS TOWNSHIP THORNE HAMLET WTP 220004144	SURFACE SOURCE-CHLORINATION	MC DOUGALL CREEK	.576 (2.618)	350	MUNICIPALITY
POWASSAN TOWN POWASSAN WTP 220000876	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	GENESEE CREEK	.288 (1.309)	1120	MUNICIPALITY
RATTER DUNNETT WARREN TOWNSHIP WARREN HAMLET WELL SUPPLY 210000755	GROUND SOURCE-NO TRTMT		.144 (.655)	612	MINISTRY
RAYSIDE BALFOUR TOWN RAYSIDE BALFOUR SUPPLY 210001338	(WATER IS SUPPLIED BY	BLEZARD VALLEY WSS)			
SAULT STE MARIE CITY SAULT STE MARIE WTP & WELL SUPPLY 220002823	GROUND SOURCE-CHEMICAL TRTMT SURFACE SOURCE - CHEMICAL TRTMT CHLORINATION	ST. MARY'S RIVER	16.000 (72.736)	81000	MUNICIPALITY
SHACKLETON MACHIN-FAUQU. TOWNSHIP FAUQUIER WTP 210000879	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	GROUNDHOG RIVER	.083 (.377)	500	MINISTRY
SOUTH RIVER VILLAGE SOUTH RIVER WELL SUPPLY 220000558	GROUND SOURCE-CHLORINATION		.240 (1.091)	1135	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
STURGEON FALLS TOWN STURGEON FALLS WTP 220000442	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	STURGEON RIVER	1.730 (7.865)	6208	MUNICIPALITY
SUDBURY CITY SUDBURY WTP 220003537	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	RAMSEY LAKE	10.999 (50.001)	92074	MUNICIPALITY
SUDBURY WANAPITEI CITY WANAPITEI WTP 210001111	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	WANAPITEI RIVER	8.139 (37.000)		MUNICIPALITY
TEMAGAMI TOWNSHIP NEW TOWNSITE WTP 220000433	SURFACE SOURCE-CHLORINATION	NET LAKE	.245 (1.114)	350	MUNICIPALITY
TEMAGAMI TOWNSHIP OLD TOWNSITE WTP 220000424	SURFACE SOURCE-CHLORINATION	LAKE TEMAGAMI	.288 (1.309)	122	MUNICIPALITY
THESSALON TOWN THESSALON WTP 220002814	SURFACE SOURCE-CHLORINATION	LAKE HURON	1.296 (5.892)	1700	MUNICIPALITY
TIMMINS CITY TIMMINS WTP 220003065	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	MATTAGAMI RIVER	6.000 (27.276)	33000	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
TIMMINS CITY TISDALE WELL SUPPLY 220002529	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		1.200 (5.455)	7200	MUNICIPALITY
TIMMINS CITY WHITNEY WELL SUPPLY (STAND BY ONLY) 220001510	GROUND SOURCE-CHLORINATION		.274 (1.246)		MUNICIPALITY
VALLEY EAST TOWN BLEZARD VALLEY WSS 210000737	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		4.222 (19.193)	29320	MUNICIPALITY
WHITE RIVER TOWNSHIP WHITE RIVER WTP 220002770	SURFACE SOURCE-CHLORINATION	LITTLE TUKANEE LAKE	.800 (3.637)	1100	MINISTRY
WICKSTEED-HORNEPAYNE TOWNSHIP HORNEPAYNE WELL SUPPLY 210004988	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION		.650 (2.955)	1675	MINISTRY

NORTHEASTERN REGION

WATER TREATMENT

REGIONAL MUNICIPALITIES

REGIONAL MUNICIPALITIES	CAPACITY	
	1000m^3	MIGD
SUDBURY	160.7	35.3

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
CAPREOL TOWN CAPREOL WELL SUPPLY 220003828	GROUND SOURCE-PHYSICAL TRTMT		1.758 (7.992)	3779	MUNICIPALITY
MASSEY TOWN MASSEY WTP 220003500	SURFC SOURCE-CHLORINATION	AUX SABLE RIVER	.836 (3.800)	1311	MUNICIPALITY
NICKEL CENTRE TOWN FALCONBRIDGE TOWNSITE WELL SUPPLY 220003476	GROUND SOURCE-CHLORINATION		3.280 (14.911)	950	MUNICIPALITY
NICKEL CENTRE TOWN GARSON WELL SUPPLY 220003485	GROUND SOURCE-NO TREATMENT		2.013 (9.151)	6483	MUNICIPALITY
ONAPING FALLS TOWN DOWLING WELL SUPPLY 210001685	GROUND SOURCE-CHLORINATION		.780 (3.581)	2970	MUNICIPALITY
ONAPING FALLS TOWN LEVACK WELL SUPPLY (RE-CHARGE FROM RIVER 220003487	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION	ONAPING RIVER	2.160 (9.818)	2300	MUNICIPALITY
ONAPING FALLS TOWN ONAPING WELL SUPPLY (FALCONBRIDGE) 220003519	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		1.150 (5.228)	1100	MUNICIPALITY
RAYSIDE BALFOUR TOWN RAYSIDE BALFOUR SUPPLY 210001838	(WATER IS SUPPLIED BY)	(BLEZARD VALLEY WSS)			

REGIONAL MUNICIPALITY OF SUDBURY

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE SCHEME SOURCE	CAPACITY MIGD ($10^3 m^3$)	POPULATION SERVED	OPERATED BY
SUDBURY CITY SUDBURY WTP 220003837	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	RAMSEY LAKE	10.988 (50.001)	92074	MUNICIPALITY
SUDBURY WANAPITEI CITY WANAPITEI WTP 210001111	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	WANAPITEI RIVER	8.139 (37.000)		MUNICIPALITY
VALLEY EAST TOWN BLEZARD VALLEY WSS 210000737	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION		4.222 (19.193)	29320	MUNICIPALITY
	TOTAL CAPACITY		35.347 (160.697)		

NORTHEASTERN REGION

AREA WATER SUPPLY SYSTEMS

TOTAL AREA WATER SUPPLY SYSTEMS	TOTAL CAPACITY	
	$1000m^3$	MIGD
ONE	19.2	4.2

SYSTEM: BLEZARD VALLEY WATER SUPPLY SYSTEM 210000737

Number of Plants: One (Eight wells)
Operated by: The Regional Municipality of Sudbury

Number of Municipalities Served: Two

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
VALLEY EAST TOWN	Screening Chlorination	4.2 MIGD (19.2 1000M^3)	Rayside-Balfour Town Valley East Town	Ground

Ministry of the Environment
Ontario

Northwestern Region
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REGIONAL OFFICE
THUNDER BAY
435 James St. S.
P.O. Box 5000
807-475-1205

DISTRICT OFFICE
Kenora
808 Robertson St.
807-468-5578

Northwestern Region

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NORTHWESTERN REGION SUMMARY

TREATMENT TYPE	<--- NUMBER --->			<-- ** CAPACITY MIGD ($1000M^3$) -->		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
GROUND SOURCE - NO TREATMENT	0	1	1	.000	1.332	1.332 (6.056)
GROUND SOURCE - CHLORINATION ONLY	2	0	2	1.800	.000	1.800 (8.183)
GROUND SOURCE - CHEMICAL TRTMT	1	0	2	1.200	.000	1.200 (5.455)
GROUND SOURCE - PHYSICAL TRTMT	0	1	1	.000	2.304	2.304 (10.474)
GROUND SOURCE - PHY+CHEM TRTMT	0	0	0	.000	.000	.000 (000)
SURFACE SOURCE - CHLORINATION ONLY	3	2	5	.840	13.540	14.380 (65.371)
SURFACE SOURCE - CHEMICAL TRTMT	0	6	6	.000	18.078	18.078 (82.183)
SURFACE SOURCE - PHYSICAL TRTMT	0	1	1	.000	.824	.824 (3.745)
SURFACE SOURCE - PHY+CHEM TRTMT	6	4	10	4.817	19.364	24.181 (109.927)
**** TOTALS ****	12	15	27	8.657 (39.357)	55.442 (252.038)	64.099 (291.394)

CHEMICAL TREATMENT : PROCESSES SUCH AS COAGULATION, FLOCCULATION AND FLUORIDATION WHICH USE CHEMICAL AIDS COME UNDER THIS CATAGORY. ALSO INCLUDED ARE THE CHEMICAL REMOVAL PROCESSES LIKE IRON REMOVAL.

PHYSICAL TREATMENT : PROCESSES USING MECHANICAL AIDS SUCH AS SCREENING, SEDIMENTATION AND FILTRATION COME UNDER THIS CATAGORY.

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY
$1000M^3$:THOUSANDS OF CUBIC METRES

CONVERSION FACTOR
1 MGD = 4.546 $1000M^3$

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (10^3 m^3)	POPULATION SERVED	OPERATED BY
ATIKOKAN TOWNSHIP ATIKOKAN WTP 220000950	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	ATIKOKAN RIVER	3.100 (14.093)	4744	MUNICIPALITY
BAIRD MADSEN TOWNSHIP MADSEN WTP 210001479	SURFACE SOURCE-CHLORINATION	RUSSETT LAKE	.140 (.638)	300	MINISTRY
BALMERTOWN IMPROVEMENT DISTRICT BALMERTOWN TOWNSITE WTP 220001389	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	RED LAKE-SANDY BAY	2.600 (11.820)	1300	MUNICIPALITY
BALMERTOWN IMPROVEMENT DISTRICT COCHENOUR TOWNSITE WTP 220001370	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION	RED LAKE-BRUCE CHANNEL	1.730 (7.865)	650	MUNICIPALITY
BEARDMORE TOWNSHIP BEARDMORE WTP 210001284	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	BLACK WATER RIVER	.550 (2.500)	825	MINISTRY
CARAMAT UNORGANIZED MUNICIPALITY CARAMAT WTP 220000184	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	CARAMAT LAKE	.144 (.655)	125	MUNICIPALITY
DRYDEN TOWN DRYDEN WTP 220001432	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	WABIGOON LAKE	3.000 (13.638)	6900	MUNICIPALITY
EAR FALLS TOWNSHIP EAR FALLS WTP 210000256	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	ENGLISH RIVER	1.000 (4.546)	1900	MINISTRY

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (10^3m^3)	POPULATION SERVED	OPERATED BY
EMO TWP TOWNSHIP EMO WTP 210000887	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	RAINY RIVER	.090 (.409)	730	MINISTRY
FORT FRANCES TOWN FORT FRANCES WTP 220000978	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	RAINY LAKE	3.718 (16.902)	8880	MUNICIPALITY
GERALDTON TOWN GERALDTON WTP 210000282	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	REESOR LAKE	1.320 (6.001)	2901	MINISTRY
IGNACE TOWNSHIP IGNACE TOWNSITE WELL SUPPLY 220001398	GROUND SOURCE-CHEMICAL TRTMT CHLORINATION CORROSION CONTROL		1.200 (5.455)	2285	MINISTRY
KENORA TOWN KENORA WTP 220001423	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	LAKE OF THE WOODS	5.850 (26.594)	11500	MUNICIPALITY
LONGLAC TOWN LONGLAC MUN. WTP 220000284	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	LONG LAKE	1.320 (6.001)	2329	MINISTRY
MACHIN VERMILLION BAY TOWNSHIP VERMILLION BAY WTP 210000997	SURFACE SOURCE-CHLORINATION	EAGLE LAKE	.300 (1.364)	1100	MINISTRY
MANITOUWADGE TOWNSHIP MANITOUWADGE WELL SUPPLY 220000219	GROUND SOURCE-PHYSICAL TRTMT		2.304 (10.474)	3100	MUNICIPALITY

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD ($10^3 m^3$)	POPULATION SERVED	OPERATED BY
MARATHON TOWNSHIP MARATHON WELL SUPPLY 220000286	GROUND SOURCE-NO TRTMT		1.332 (6.055)	2317	MUNICIPALITY
NAKINA TOWNSHIP NAKINA WELL SUPPLY 220000200	GROUND SOURCE-CHLORINATION	HOWARD CREEK	1.080 (4.910)	978	MINISTRY
NIPIGON TOWNSHIP NIPIGON WTP 220000248	SURFC SOURCE-PHYSICAL TRTMT CHLORINATION	NIPIGON RIVER	.824 (3.745)	2180	MUNICIPALITY
PICKLE LAKE TOWNSHIP PICKLE LAKE WELL SUPPLY 210001157	GROUND SOURCE-CHLORINATION		.720 (3.273)	400	MINISTRY
RAINY RIVER TOWN RAINY RIVER MUN WTP 220000969	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	RAINY RIVER	.537 (2.441)	1100	MINISTRY
RED LAKE TOWNSHIP RED LAKE WTP 210000285	SURFACE SOURCE-CHLORINATION	RED LAKE-SKOOKUM BAY	.400 (1.818)	1945	MINISTRY
RED ROCK TOWNSHIP RED ROCK WTP 220000193	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION FLUORIDATION	NIPIGON BAY-L.SUPERIOR	.720 (3.273)	1209	MUNICIPALITY
SCHREIBER TOWNSHIP SCHREIBER WTP 220000237	SURFACE SOURCE-CHLORINATION	COOK'S LAKE	1.540 (7.000)	2000	MUNICIPALITY

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/ SCHEME SOURCE	CAPACITY MIGD (1000M3)	POPULATION SERVED	OPERATED BY
SIOUX LOOKOUT TOWN SIOUX LOOKOUT WTP 220001405	SURFC SOURCE-CHEMICAL TRTMT CHLORINATION FLUORIDATION	PELICAN LAKE	1.080 (4.910)	3006	MUNICIPALITY
THUNDER BAY CITY BARE POINT WTP 220000273	SURFC SOURCE-PHY+CHEM TRTMT CHLORINATION	THUNDER BAY-L.SUPERIOR	15.500 (70.483)	58504	MUNICIPALITY
THUNDER BAY CITY LOCH LOMOND WTP 220000252	SURFACE SOURCE-CHLORINATION	LOCH LOMOND LAKE	12.000 (54.552)	52418	MUNICIPALITY

POOR

QUALITY

ORIGINAL